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ABSTRACT

These detailed statistical tables present data on the demographic and employment characteristics of men and women who received a bachelor's or master's degree in science or engineering (SE) fields from United States institutions during the 1979-80 (1980) and 1980-81 (1981) academic years. These tables (grouped by year and type of degree) provide data on the number of graduates according to field of work and: (1) sex and graduate school status; (2) labor force status and sex; (3) labor force status and race; (4) employment status and sex; (5) sex and type of employer; (6) sex and primary work activity; (7) type of employer and primary work activity; and (8) field of employment. Data on employment in SE jobs by field of degree, type of employer, and primary work activity are also provided in separate tables. Additional tables (also grouped by year and type of degree) provide data on median salaries according to these variables: field of degree; sex; race; graduate school status; labor force status; type of employer; and primary work activity. A final table on selected employment characteristics by field of degree and sex, a copy of survey instrument used, and technical notes are included. (JN)

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general notes

These tables present data on the demographic and employment characteristics of men and women who received a bachelor's or master's degree in science or engineering (S/E) fields from U.S. institutions during the 1979/80 (1980) and 1980/81 (1981) academic years. The data were collected in 1982 and reflect the status of individuals as of spring of that year.

In addition to the demographic attributes of these recent S/E-degree recipients, the data depict early career employment experience. The report presents information which may be used to determine the extent to which recent graduates entered the labor force, whether they were able to find employment, and, if so, the attributes of that employment.

These data are based on responses to a sample survey. Responses have been weighted to generate, as nearly as possible within the limitations of the survey design, the results that would have been obtained had the entire population been surveyed.

The detailed statistical results of the 1982 New Entrants Survey are presented separately for bachelor's- and master's-degree recipients and also separately for each graduating year. Thus, the data reflect the status of recent graduates 1 or 2 years following receipt of their degree.

In addition to these separate detailed results, the report also presents some data on the combined 1980 and 1981 cohorts. Salary and selected summary employment statistics are based on the aggregated results of these combined cohorts in order to overcome some of the limitations of small cell size. Statistics in the latter category include unemployment rates as well as measures of the extent to which recent graduates found employment in S/E-related occupations.

Detailed results and technical aspects of the 1982 New Entrants Survey are presented in three sections: The technical notes in section A contain information on the survey methodology, coverage, concepts, definition, and sampling errors; detailed tabulations from the survey are presented in section B; the questionnaire used in the survey is reproduced in section C.

The National Science Foundation expresses its appreciation to the recent S/E graduates who responded to this survey; their cooperation made the report possible.

Requests for additional information should be directed to Mr. John A. Scopino at the following address:

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section a

technical notes

The information presented in this report was collected as part of the 1982 New Entrants Survey.[1] This survey series provides data on the demographic, educational, and employment characteristics of recent college graduates in science/engineering (S/E) fields. These data, together with other data from the Experienced Sample Surveys and the Survey of Doctorate Recipients, comprise the National Science Foundation's (NSF's) Scientific and Technical Personnel Data System. A major objective of this system is to develop national estimates and characteristics of the total stock of scientists and engineers in the United States. The New Entrants data provide estimates of recent bachelor's- and master's-degree recipients in S/E fields who have entered the labor force, and thus, are a new component of the Nation's stock of scientists and engineers.

survey design[2]

The purpose of the 1982 New Entrants Survey was to collect graduate school enrollment and labor force data on recent college graduates in S/E fields. Specifically, the survey objectives called for a national sample of recent college graduates for each of two periods: those graduating between July 1, 1979, and June 30, 1980 (1980 graduating class), and those graduating between July 1, 1980, and June 30, 1981 (1981 graduating class). The survey population was further constrained to include only bachelor's- and master's-degree recipients in S/E fields of study who were permanent U.S. residents.

A two-stage probability sample of graduates was employed for this study. In the first stage, 274 universities and colleges[3] were selected as the primary sampling units (PSU's). Of these, 172 were identified as "certainty"[4] schools while the remaining 102 were identified with probabilities proportional to their measures of size.[5]

Stratification was imposed by sorting the noncertainty PSU's by geographic region, public/private status, whether or not agricultural curriculums were offered, and percent of engineering graduates. A special stratum of predominantly black universities was assembled and 15 PSU's were selected with probabilities proportional to measure of size. After selection, a list of 12 universities with high concentrations of Hispanic students was identified.

The second stage of the sample involved the selection of graduates within PSU's. The sampling frame consisted of lists of graduates supplied by the universities chosen in the first-stage sample. The lists generally included data on degree received major field of study, year of graduation, and mailing address. Within "Hispanic" PSU's, students with Spanish surnames were oversampled by a factor of two. Similarly, all students within "black" PSU's were also oversampled by a factor of two. Table A-1 presents sample sizes and response data for each major field/degree cell for the combined 1980 and 1981 graduating classes.

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[1] This survey was conducted under contract with the National Science Foundation by the Institute for Survey Research, Temple University.

[2] Detailed aspects of the survey design as well as other technical details may be found in *Methodological Approach to the 1982 New Entrants Surveys* (Philadelphia, Pa.: Institute for Survey Research, Temple University, September 1983).

[3] Schools were selected from the institutions included on the 1978-79 Higher Education General Information Survey of the National Center for Education Statistics.

[4] Of the 172 certainty schools, 149 were identified on the basis of an expected sample size of 24.5 or more; 23 additional schools were selected on the basis of a probability of selection greater than 0.82.

[5] The measure of size for each school took into account the number of graduates in a given field relative to the total number of graduates in that field across all schools.

graduate response

Table A-2 presents the disposition of sampled graduates in the 1982 New Entrants Survey. A total of 24,956 (unweighted) graduates were sampled from lists furnished by the selected universities and colleges, of whom about 57 percent (14,240) turned in questionnaires which were coded. Of these, about 8 percent were found to be out of scope.

Of the 10,716 remaining graduates, about 60 percent failed to respond after four contacts were attempted through the mail, and 35 percent did not receive a questionnaire because no usable address could be found. An additional 4 percent were out of scope and 1 percent refused to complete the questionnaire. Relative to the total sample of 24,956 graduates, over one-half are represented on the data tape, about 6 percent were out of scope, while about two-fifths were nonrespondents with eligibility status unknown. Assuming that all nonrespondents with unknown eligibility were actually eligible, the unweighted response rate for this survey was 56 percent (13,053/23,337). This value may be interpreted as a conservative estimate of the true response rate. An alternative estimate of the response rate may be found by assuming that about 8 percent of the nonrespondents with eligibility unknown were out of scope as was the case among respondents. In this case, the estimated response rate was 58 percent (13,059/22,515).

It should be noted that of the questionnaires which were coded, the major field of study, degree conferred, and year of graduation were confirmed by scanning the education and training responses (question 11) to the questionnaire. Final designation of field/degree/year were based on these responses rather than on the initial sampling code. Changes in the sampling strata could have occurred for several reasons: (1) the individual graduated at a later date than was reported on the list; (2) the graduate had a double major; (3) the individual was in receipt of both a BA and MA within eligible years and fields; (4) the graduate was selected from the "unknown field" sampling stratum; or (5) there were errors in the lists (e.g., wrong major or degree).

A-2. Response status of sampled graduates: 1982 New Entrants Survey

Status	Total	Responses coded	Responses not coded
Total	24,956	14,240	10,716
Responses			
In scope	13,059	13,059	—
Out of scope .	1,619	1,181	438
No responses			
Address presumed correct	5,312	—	5,312
Incorrect address ...	3,070	—	3,070
New address furnished by Post Office – presumed correct	847	—	847
New address found by tracing-presumed correct	223	—	223
Refused	108	—	108
No address available ..	718	—	718

NOTE: Includes both 1980 and 1981 graduating classes.

SOURCE: Institute for Survey Research, Temple University

Table A-1. Estimated[1] sampling and response characteristics: 1982 New Entrants Survey

Field of degree	Estimated number of graduates[2]		Number in sample		Estimated percentage sampled[3]		Number of responses[4]	
	Bachelor's	Master's	Bachelor's	Master's	Bachelor's	Master's	Bachelor's	Master's
Total	575,243	94,727	16,895	8,059	2.9	[illegible]	9,154	3,905
Physical sciences	32,758	5,673	2,948	1,580	9.0	27.9	714	400
Mathematical sciences	23,166	6,721	773	312	3.3	4.6	465	238
Computer sciences	24,488	8,733	1,441	688	5.9	7.9	758	324
Environmental sciences	13,609	3,245	871	468	6.4	14.4	676	410
Engineering	122,977	25,510	5,246	2,339	4.3	9.2	3,640	1,431
Biological sciences	84,124	11,207	1,285	604	1.5	5.4	773	356
Agricultural sciences	35,798	5,700	1,104	478	3.1	8.4	587	258
Pyschology	74,144	7,637	1,430	627	1.9	8.2	621	167
Social sciences ..	143,422	13,814	1,236	464	0.9	3.4	920	321
No major field given	20,757	6,487	561	499	2.7	7.7	(274)	(280)

[1] The data in this table are provided for consistency with other segments of this report; a more appropriate presentation is furnished in the methodological report entitled "Methodological Approach to the 1982 New Entrants Survey." Institute for Survey Research, Temple University, Philadelphia, Pennsylvania, 1983.

[2] Except for the "No Major" row entry, the figures in this column are the final weighted estimates derived from the 1983 New Entrants Survey; the "No Major" entry consists of the sample size inflated by the inverse of the sampling fraction.

[3] This number should not be interpreted as the precise sampling rate. The rows of this table have collapsed twenty sampling strata, each with its own sampling rate. (See the Methodological Report for details.) The column is given as an approximation to an "average" sampling rate across sampling strata.

[4] Apart from the "No Major" row entry, the numbers here reflect the field of study as derived from the questionnaire. Thus, respondents appearing in one field may actually have been sampled in another (e.g., double major). Also, the No Major entries appear in parentheses because the respondents have been distributed in their respective fields of study. For these reasons, response rates derived from this table will tend to overestimate the true values. (See the Methodological Report for a more appropriate treatment of survey response.)

SOURCE: Institute for Survey Research, Temple University

Table A-3 presents the unweighted sizes for the 23 major fields of study which comprise the row headings for most of the tables in the subsequent section.

Table A-3. Unweighted cell sizes for major fields of study: 1982 New Entrants Survey

Major field of study	1980 graduates		1981 graduates	
	Bachelor's	Master's	Bachelor's	Master's
Total	4,352	1,806	4,802	2,099
Physical sciences	349	202	365	198
Chemistry	250	98	240	102
Physics/astronomy	68	81	92	72
Other physical sciences	31	23	33	24
Mathematics/statistics	224	97	241	141
Computer sciences	319	139	439	185
Environmental sciences	318	187	358	223
Engineering	1,740	657	1,900	774
Aeronautical/ astronautical	15	8	18	10
Chemical	256	89	324	108
Civil	362	84	359	114
Electrical/ electronics	287	119	314	148
Industrial	49	14	47	23
Materials	93	52	100	60
Mechanical	261	112	311	146
Mining	109	27	109	18
Nuclear	104	46	100	47
Petroleum	58	9	74	16
Other	146	97	144	84
Life sciences	648	278	712	336
Biology	372	164	401	192
Agricultural	276	114	311	144
Psychology	307	93	314	74
Social sciences	447	153	473	168
Economics	115	36	121	35
Sociology/ anthropology	119	23	108	37
Other	213	94	244	96

SOURCE: Institute for Survey Research, Temple University

The basic sampling weight used for the 1982 New Entrants Survey was the inverse of the probability of selection. The basic sampling weight reflected the conferred degree and major field of study stratum in which the graduate was sampled. It also accounted for such design features as the oversample of blacks as well as Hispanic-surnamed graduates and the multiple chances of selection because of duplication.

An additional weighting adjustment involved use of data from the HEGIS data tape to produce ratio-type estimates of totals. (See footnote 3.) A detailed discussion of these weighting procedures may be found in the methodological report of the survey.[6]

Weight adjustments were utilized to compensate both for institutional (primary sampling unit) and individual nonresponse.

definitions

The following definitions are provided to aid effective use of the data in this report.

Field of Science/engineering. Derived from the name of the specialty most closely related to the respondent's degree field. Employment specialty was derived from the name and code number selected from the Degree and Employment Specialty List of the questionnaire. Specialties were grouped to form fields in accordance with the classification presented in table A-4.

Labor Force. Derived from questions 12, 14, and 15. The labor force includes individuals working full or part time as well as those not working but seeking work. In addition, individuals who were on layoff, on vacation, or otherwise temporarily absent from a job for health or personal reasons, or who looked for work during the three weeks prior to the survey data were included within the labor force.

Employed in S/E Occupation. Derived from question 24 which collected data on the specialty most closely related to principal employment. S/E occupations include specialties in the natural sciences, social sciences, and engineering.

Type of Employer. Derived from question 20. The category "Educational institutions" includes junior and 2-year colleges, technical institutions, medical schools, universities or 4-year colleges, and elementary or secondary school systems. Employees of hospitals or clinics as well as military/Commissioned Corps personnel are included under the category "Other."

Primary Work Activity. Derived from question 22. The term "R&D" includes basic research, applied research, development and design, but excludes R&D management which is included under the category "Management/administration." "Sales/professional services" includes distribution and clinical diagnosis. The activities grouped under "Production/inspection" include work related to operations and quality control. The category "Reporting/statistical/computing activities" includes report and technical writing, statistical work, and computer applications. Consulting activities are included under the category "Other."

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[6] *Op. cit.*

Salaries. Derived from responses to question 28 which requested information on basic annual salary before deductions for income tax, social security, retirement, etc., but not including bonuses, overtime, summer teaching, or other payments for professional work. Salaries reported are median annual salaries of full-time employed civilians rounded to the nearest $100. Academic year salaries (9/10 months) have been multiplied by eleven-ninths to adjust the data to a calendar-year (11-12 months) basis.

sampling errors

The statistics in this report are subject to error including those resulting from sampling. Variability resulting from sampling can be calculated for estimated totals using a formula which accounts for the complex nature of the sample design. Averages of the square roots of design effects were calculated separately for each combination of year of graduation/degree field/degree level and for 23 tabulation items. These averages were then employed to produce generalized sampling errors.

The generalized sampling error of an estimated total is defined as

$$S = D\,[Y(N-Y)/n]^{1/2}$$

where

D is the square root of the design effect for a given graduation year/degree field/degree level combination,

N is the estimated total number of graduates in the field being analyzed,

Y is the estimated number of graduates with a given characteristic of interest, and,

n is the total number of graduates in the sample for that graduation year/degree field/degree level combination.

Generalized standard errors for the reported S/E fields are presented in table A-5. The various columns reflect fields as shown below:

Field	Column
Total science/engineering	1
Physical sciences	2
Chemistry	3
Physics/astronomy	4
Other physical	5
Mathematics/statistics	6
Computer sciences	7
Environmental sciences	8
Engineering	9
Aeronautical/astronautical	10
Chemical	11
Civil	12
Electrical/electronics	13
Industrial	14
Materials	15
Mechanical	16
Mining	17
Nuclear	18
Petroleum	19
Other	20
Life sciences	21
Biology	22
Agricultural	23
Psychology	24
Social sciences	25
Economics	26
Sociology/anthropology	27
Other social	28

Table A-4. Science/engineering field classification of specialty codes: 1982 New Entrants Survey

Field of science/engineering	Specialty code
Physical sciences	
Chemistry	722
Physics/astronomy	720,731
Other physical sciences	421,790
Mathematics/statistics	417,711,713,750-780
Computer sciences	723
Environmental sciences	741,742,721
Engineering	
Aeronautical/astronautical	511
Chemical	515
Civil	516
Electrical/electronic	517
Industrial	521
Materials	530,523,733
Mechanical	522
Mining	520,524
Nuclear	526
Petroleum	527
Other	414,512-514,519,525,529,531,590
Life sciences	
Biology	413,211-290
Agricultural	013-090
Psychology	818
Social sciences	
Economics	803,813
Sociology/anthropology	811,812,821
Other	118,814,817,822,890

SOURCE: Institute for Survey Research, Temple University

Table A-5. Generalized standard errors for recent degree recipients in science/engineering fields: 1982 New Entrants Survey

Size of estimate	Bachelor's recipients																											
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
100	160	90	95	85	110	95	80	90	100	90	80	80	110	85	60	80	45	30	25	120	140	130	100	130	190	180	200	190
200	230	120	130	120	140	130	120	120	140	120	80	110	150	120	85	110	60	40	35	160	190	190	150	180	270	250	280	270
300	280	160	160	140	170	160	140	150	170	140	100	130	180	140	95	140	70	40	35	200	240	230	180	230	330	300	340	330
500	360	200	210	180	190	210	180	190	220	150	130	170	240	180	110	180	75	20	40	250	300	300	230	290	420	390	440	430
750	440	250	250	210	190	250	220	230	270	140	150	210	280	210	100	210	75	—	25	300	370	360	280	360	520	480	530	520
1,000	510	280	280	230	160	290	250	260	310	75	170	240	330	230	75	240	60	—	—	340	430	420	320	410	600	550	610	600
2,000	720	380	380	270	—	390	340	330	440	—	220	310	450	230	—	330	—	—	—	440	600	580	440	570	840	750	850	830
3,000	880	450	450	230	—	450	400	360	530	—	240	360	530	80	—	390	—	—	—	500	730	700	520	690	1020	900	1010	1000
5,000	1150	540	520	—	—	520	460	320	680	—	220	400	630	—	—	450	—	—	—	490	920	880	630	860	1300	1090	1240	1240
6,000	1250	570	530	—	—	520	480	240	740	—	170	400	660	—	—	460	—	—	—	430	1000	960	670	930	1410	1160	1330	1330
7,000	1350	580	530	—	—	520	480	—	790	—	—	380	670	—	—	470	—	—	—	310	1070	1020	690	990	1520	1210	1390	1400
8,000	1450	590	510	—	—	500	480	—	830	—	—	350	680	—	—	460	—	—	—	—	1130	1070	710	1040	1610	1250	1440	1460
10,000	1600	580	440	—	—	400	440	—	910	—	—	180	660	—	—	420	—	—	—	—	1240	1170	720	1120	1770	1280	1510	1560
20,000	2200	—	—	—	—	—	—	—	1160	—	—	—	—	—	—	—	—	—	—	—	1580	1380	—	1260	2300	520	1140	1500
30,000	2650	—	—	—	—	—	—	—	1250	—	—	—	—	—	—	—	—	—	—	—	1690	1280	—	1010	2530	—	—	—
50,000	3300	—	—	—	—	—	—	—	1000	—	—	—	—	—	—	—	—	—	—	—	1340	—	—	—	2400	—	—	—
60,000	3500	—	—	—	—	—	—	—	490	—	—	—	—	—	—	—	—	—	—	—	620	—	—	—	1980	—	—	—
70,000	3700	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1050	—	—	—
80,000	3900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
100,000	4100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
150,000	4000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
200,000	3900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Table A-5. Generalized standard errors for recent degree recipients in science/engineering fields: 1982 New Entrants Survey—Continued

Size of estimate	Master's recipients																											
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
100	90	60	55	45	75	90	75	40	65	70	50	50	75	70	55	55	30	40	20	60	75	80	60	95	110	90	100	140
200	130	80	75	60	85	130	100	55	95	75	70	65	100	90	70	80	—	40	—	85	110	110	80	130	150	130	140	190
300	150	100	90	70	75	150	130	65	110	50	80	80	120	100	65	90	—	10	—	100	130	140	100	160	180	150	160	230
400	180	110	95	75	25	170	140	70	130	—	90	90	140	110	40	100	—	—	—	120	150	160	110	180	210	170	180	260
500	200	120	100	75	—	190	160	75	140	—	95	95	150	110	—	110	—	—	—	130	170	170	120	200	240	180	190	290
750	240	140	110	75	—	230	190	80	180	—	100	110	180	70	—	130	—	—	—	150	200	200	140	240	280	200	210	340
180	—	100	110	180	70	—	130	—	200	—	100	110	200	—	—	130	—	—	—	160	230	230	160	260	320	210	220	—
1,000	280	150	100	55	—	250	210	80	240	—	—	95	220	—	—	120	—	—	—	160	270	270	170	300	380	190	160	410
1,500	340	160	—	—	—	280	240	55	270	—	—	—	230	—	—	60	—	—	—	140	300	290	160	310	410	90	—	420
2,000	390	150	—	—	—	290	260	—	300	—	—	—	220	—	—	—	—	—	—	75	330	300	140	300	440	—	—	380
2,500	430	120	—	—	—	280	260	—	320	—	—	—	180	—	—	—	—	—	—	—	340	300	75	260	460	—	—	300
3,000	470	—	—	—	—	260	260	—	350	—	—	—	—	—	—	—	—	—	—	—	360	280	—	—	460	—	—	—
4,000	540	—	—	—	—	65	210	—	370	—	—	—	—	—	—	—	—	—	—	—	350	200	—	—	420	—	—	—
5,000	600	—	—	—	—	—	—	—	380	—	—	—	—	—	—	—	—	—	—	—	330	—	—	—	340	—	—	—
6,000	640	—	—	—	—	—	—	—	390	—	—	—	—	—	—	—	—	—	—	—	280	—	—	—	120	—	—	—
7,000	690	—	—	—	—	—	—	—	380	—	—	—	—	—	—	—	—	—	—	—	180	—	—	—	—	—	—	—
8,000	720	—	—	—	—	—	—	—	370	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9,000	760	—	—	—	—	—	—	—	350	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10,000	790	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15,000	890	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20,000	950	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25,000	960	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30,000	920	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
40,000	680	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

SOURCE: Institute for Survey Research, Temple University.

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TABLE B-1. NUMBER OF 1980 SCIENCE/ENGINEERING BACHELOR'S-DEGREE RECIPIENTS BY FIELD OF DEGREE, SEX, AND GRADUATE SCHOOL STATUS: 1982

FIELD OF DEGREE AND SEX	TOTAL	GRADUATE SCHOOL STATUS			
		FULL TIME	PART TIME	NONSTUDENT	OTHER AND NO REPORT
TOTAL, ALL FIELDS	274,000	53,800	38,900	177,900	3,400
MEN	171,300	32,500	24,300	112,200	2,300
WOMEN	102,700	21,200	14,600	65,700	1,200
PHYSICAL SCIENCES	16,500	6,900	2,200	7,300	100
MEN	12,200	5,300	1,500	5,400	100
WOMEN	4,300	1,600	800	1,900	(1)
CHEMISTRY	12,800	6,100	1,600	5,000	100
MEN	9,200	4,600	900	3,600	100
WOMEN	3,600	1,500	700	1,400	(1)
PHYSICS/ASTRONOMY	2,700	600	600	1,400	(1)
MEN	2,400	500	600	1,300	(1)
WOMEN	300	100	100	200	(1)
OTHER PHYS SCIENCES	1,000	200	(1)	800	(1)
MEN	700	100	(1)	500	(1)
WOMEN	400	100	(1)	300	(1)
MATH/STATISTICS	12,100	1,300	1,900	8,800	100
MEN	6,800	700	1,000	4,900	100
WOMEN	5,300	600	900	3,900	(1)
COMPUTER SCIENCE	10,500	200	1,600	8,500	100
MEN	7,400	200	1,100	6,000	100
WOMEN	3,100	(1)	500	2,500	(1)
ENVIRON SCIENCE	6,800	1,800	800	4,000	(1)
MEN	4,900	1,500	600	2,800	(1)
WOMEN	1,800	400	300	1,200	(1)
ENGINEERING	60,500	3,500	11,400	45,300	300
MEN	53,800	3,000	10,200	40,300	300
WOMEN	6,700	500	1,200	5,000	100
AERO/ASTRO	1,000	(1)	300	600	(1)
MEN	1,000	(1)	300	600	(1)
WOMEN	(1)	(1)	(1)	(1)	(1)
CHEMICAL	5,800	700	1,100	4,100	(1)
MEN	4,700	500	1,000	3,200	(1)
WOMEN	1,100	100	100	800	(1)
CIVIL	10,600	400	1,700	8,400	100
MEN	9,500	400	1,500	7,500	100
WOMEN	1,100	100	200	900	(1)

TABLE B-1. NUMBER OF 1980 SCIENCE/ENGINEERING BACHELOR'S-DEGREE RECIPIENTS BY FIELD OF DEGREE,
(CONTINUED) SEX, AND GRADUATE SCHOOL STATUS: 1982

FIELD OF DEGREE AND SEX	TOTAL	GRADUATE SCHOOL STATUS			
		FULL TIME	PART TIME	NONSTUDENT	OTHER AND NO REPORT
ELECT/ELECTRON	16,200	400	4,100	11,700	(1)
MEN	15,100	400	3,800	10,900	(1)
WOMEN	1,100	(1)	300	800	(1)
INDUSTRIAL	3,100	100	900	2,000	(1)
MEN	2,400	100	700	1,600	(1)
WOMEN	700	(1)	300	400	(1)
MATERIALS	1,100	200	300	600	(1)
MEN	900	200	200	400	(1)
WOMEN	300	(1)	100	200	(1)
MECHANICAL	12,400	600	2,000	9,700	100
MEN	11,300	600	1,900	8,600	100
WOMEN	1,100	(1)	100	1,000	(1)
MINING	1,200	100	100	1,000	(1)
MEN	1,100	100	100	900	(1)
WOMEN	100	(1)	(1)	100	(1)
NUCLEAR	500	100	(1)	400	(1)
MEN	500	100	(1)	400	(1)
WOMEN	(1)	(1)	(1)	(1)	(1)
PETROLEUM	700	(1)	(1)	600	(1)
MEN	600	(1)	(1)	600	(1)
WOMEN	100	(1)	(1)	100	(1)
OTHER ENGINEERING	7,800	900	800	6,200	(1)
MEN	6,700	600	600	5,400	(1)
WOMEN	1,100	200	100	700	(1)
LIFE SCIENCES	57,800	17,800	6,400	32,300	1,200
MEN	30,900	9,600	3,500	16,500	1,200
WOMEN	26,900	8,200	2,900	15,800	(1)
BIOLOGY	40,900	15,500	4,900	19,500	1,000
MEN	20,500	8,400	3,000	8,200	1,000
WOMEN	20,300	7,100	2,000	11,200	(1)
AGR SCIENCE	16,900	2,400	1,500	12,900	200
MEN	10,300	1,300	600	8,300	200
WOMEN	6,600	1,100	900	4,600	(1)

TABLE B-1. NUMBER OF 1980 SCIENCE/ENGINEERING BACHELOR'S-DEGREE RECIPIENTS BY FIELD OF DEGREE, SEX, AND GRADUATE SCHOOL STATUS: 1982
(CONTINUED)

FIELD OF DEGREE AND SEX	TOTAL	GRADUATE SCHOOL STATUS			
		FULL TIME	PART TIME	NONSTUDENT	OTHER AND NO REPORT
PSYCHOLOGY	36,600	7,900	5,800	22,000	900
MEN	14,200	3,700	1,600	8,700	200
WOMEN	22,400	4,200	4,200	13,300	600
SOCIAL SCIENCES	73,200	14,300	8,600	49,700	600
MEN	41,100	8,500	4,800	27,600	300
WOMEN	32,000	5,700	3,900	22,100	400
ECONOMICS	20,400	1,800	2,500	15,800	300
MEN	14,600	1,500	1,900	11,000	300
WOMEN	5,800	400	600	4,800	(1)
SOCIO/ANTHRO	24,000	3,800	2,700	17,100	400
MEN	9,500	1,700	700	7,100	(1)
WOMEN	14,500	2,000	2,100	10,000	400
OTHER SOC SCIENCES	28,800	8,700	3,400	16,700	(1)
MEN	17,000	5,300	2,200	9,500	(1)
WOMEN	11,800	3,300	1,200	7,300	(1)

(1) TOO FEW CASES TO REPORT.

NOTE: DETAIL MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-2. NUMBER OF 1980 SCIENCE/ENGINEERING BACHELOR'S-DEGREE RECIPIENTS BY FIELD OF DEGREE, LABOR FORCE STATUS, AND SEX: 1982

FIELD OF DEGREE	TOTAL			LABOR FORCE			UNEMPLOYED			OUTSIDE LABOR FORCE		
	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN
TOTAL, ALL FIELDS	274,000	171,300	102,700	241,300	153,400	87,800	14,800	7,500	7,300	32,700	17,900	14,800
PHYSICAL SCIENCES	16,500	12,200	4,300	12,600	9,300	3,300	400	200	100	3,900	2,900	1,100
CHEMISTRY	12,800	9,200	3,600	9,300	6,700	2,700	300	200	100	3,500	2,500	1,000
PHYSICS/ASTRONOMY	2,700	2,400	300	2,300	2,000	200	(1)	(1)	(1)	400	400	100
OTHER PHYS SCIENCES	1,000	700	400	1,000	600	400	(1)	(1)	(1)	(1)	(1)	(1)
MATH/STATISTICS	12,100	6,800	5,300	11,000	6,100	4,900	600	400	200	1,100	700	400
COMPUTER SCIENCE	10,500	7,400	3,100	10,300	7,400	3,000	(1)	(1)	(1)	200	100	100
ENVIRON SCIENCE	6,800	4,900	1,800	5,800	4,300	1,500	500	300	200	900	600	300
ENGINEERING	60,500	53,800	6,700	58,600	52,100	6,400	1,800	1,400	400	1,900	1,600	300
AERO/ASTRO	1,000	1,000	(1)	1,000	1,000	(1)	100	100	(1)	(1)	(1)	(1)
CHEMICAL	5,800	4,700	1,100	5,400	4,400	1,000	100	100	(1)	400	300	100
CIVIL	10,600	9,500	1,100	10,300	9,300	1,100	300	200	100	200	200	100
ELECT/ELECTRON	16,200	15,100	1,100	16,000	14,900	1,100	300	200	100	300	300	(1)
INDUSTRIAL	3,100	2,400	700	3,000	2,300	700	100	(1)	100	100	100	(1)
MATERIALS	1,100	900	300	1,100	800	300	100	100	100	100	100	(1)
MECHANICAL	12,400	11,300	1,100	12,100	11,000	1,100	200	200	(1)	300	200	100
MINING	1,200	1,100	100	1,200	1,100	100	(1)	(1)	(1)	(1)	(1)	(1)
NUCLEAR	500	500	(1)	500	500	(1)	(1)	(1)	(1)	(1)	(1)	(1)
PETROLEUM	700	600	100	700	600	100	(1)	(1)	(1)	(1)	(1)	(1)
OTHER ENGINEERING	7,800	6,700	1,100	7,300	6,300	1,000	500	500	100	500	500	100
LIFE SCIENCES	57,800	30,900	26,900	45,400	24,300	21,100	3,300	1,200	2,100	12,400	6,500	5,800
BIOLOGY	40,900	20,500	20,300	30,100	14,900	15,200	2,300	800	1,500	10,800	5,600	5,100
AGR SCIENCE	16,900	10,300	6,600	15,300	9,400	5,900	1,000	300	700	1,600	900	700
PSYCHOLOGY	36,600	14,200	22,400	33,300	13,100	20,200	2,100	1,100	1,000	3,300	1,100	2,200
SOCIAL SCIENCES	73,200	41,100	32,000	64,200	36,800	27,400	6,100	2,900	3,200	8,900	4,300	4,600
ECONOMICS	20,400	14,600	5,800	19,100	13,700	5,400	300	300	(1)	1,300	900	400
SOCIO/ANTHRO	24,000	9,500	14,500	21,600	9,000	12,600	3,000	1,200	1,800	2,400	500	1,800
OTHER SOC SCIENCES	28,800	17,000	11,800	23,500	14,100	9,400	2,800	1,400	1,400	5,300	2,900	2,400

(1) TOO FEW CASES TO REPORT.

NOTE: DETAIL MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-3. NUMBER OF 1980 SCIENCE/ENGINEERING BACHELOR'S-DEGREE RECIPIENTS BY FIELD OF DEGREE, LABOR FORCE STATUS, AND RACE: 1982

FIELD OF DEGREE	TOTAL POPULATION						LABOR FORCE					
	TOTAL	WHITE	BLACK	ASIAN	OTHER	NO REPORT	TOTAL	WHITE	BLACK	ASIAN	OTHER	NO REPORT
TOTAL, ALL FIELDS	274,000	248,900	9,100	6,600	7,700	1,600	241,300	219,400	8,900	4,900	6,600	1,500
PHYSICAL SCIENCES	16,500	15,300	400	400	300	100	12,600	11,000	300	100	300	(1)
CHEMISTRY	12,800	11,700	300	300	300	100	9,300	8,700	200	100	300	(1)
PHYSICS/ASTRONOMY	2,700	2,600	(1)	(1)	(1)	(1)	2,300	2,200	(1)	(1)	(1)	(1)
OTHER PHYS SCIENCES	1,000	1,000	100	(1)	(1)	(1)	1,000	900	100	(1)	(1)	(1)
MATH/STATISTICS	12,100	10,900	600	300	200	100	11,000	10,000	600	300	100	100
COMPUTER SCIENCE	10,500	9,600	400	400	100	100	10,300	9,400	400	400	100	100
ENVIRON SCIENCE	6,800	6,400	(1)	200	(1)	100	5,800	5,500	(1)	200	(1)	100
ENGINEERING	60,500	55,300	1,200	2,100	1,300	600	58,600	53,600	1,200	1,900	1,300	600
AERO/ASTRO	1,000	1,000	(1)	(1)	(1)	(1)	1,000	1,000	(1)	(1)	(1)	(1)
CHEMICAL	5,800	5,300	100	300	100	(1)	5,400	4,900	100	300	100	(1)
CIVIL	10,600	9,700	200	200	400	100	10,300	9,600	100	200	400	100
ELECT/ELECTRON	16,200	14,300	700	700	300	300	16,000	14,100	700	700	200	300
INDUSTRIAL	3,100	2,900	100	100	(1)	(1)	3,000	2,900	100	100	(1)	(1)
MATERIALS	1,100	1,000	(1)	100	(1)	(1)	1,100	900	(1)	100	(1)	(1)
MECHANICAL	12,400	11,600	100	400	200	(1)	12,100	11,300	100	400	200	(1)
MINING	1,200	1,200	(1)	(1)	(1)	(1)	1,200	1,200	(1)	(1)	(1)	(1)
NUCLEAR	500	500	(1)	(1)	(1)	(1)	500	500	(1)	(1)	(1)	(1)
PETROLEUM	700	700	(1)	(1)	(1)	(1)	700	700	(1)	(1)	(1)	(1)
OTHER ENGINEERING	7,800	7,200	100	200	300	100	7,300	6,700	100	200	300	100
LIFE SCIENCES	57,800	53,500	800	1,600	1,600	200	45,400	42,700	800	800	800	200
BIOLOGY	40,900	37,000	600	1,500	1,500	200	30,100	27,800	600	700	700	200
AGR SCIENCE	16,900	16,500	100	100	100	(1)	15,300	14,900	100	100	100	(1)
PSYCHOLOGY	36,600	31,900	2,400	500	1,600	100	33,300	29,000	2,300	400	1,400	100
SOCIAL SCIENCES	73,200	65,900	3,300	1,100	2,600	300	64,200	57,200	3,300	800	2,600	300
ECONOMICS	20,400	18,600	900	300	600	(1)	19,100	17,300	900	300	600	(1)
SOCIO/ANTHRO	24,000	20,300	2,100	200	1,400	(1)	21,600	18,000	2,100	200	1,400	(1)
OTHER SOC SCIENCES	28,800	27,000	400	500	600	300	23,500	22,000	400	300	600	300

TABLE B-3. NUMBER OF 1980 SCIENCE/ENGINEERING BACHELOR'S-DEGREE RECIPIENTS BY FIELD OF DEGREE, LABOR FORCE STATUS, AND RACE: 1982
(CONTINUED)

FIELD OF DEGREE	UNEMPLOYED/SEEKING EMPLOYMENT						OUTSIDE THE LABOR FORCE					
	TOTAL	WHITE	BLACK	ASIAN	OTHER	NO REPORT	TOTAL	WHITE	BLACK	ASIAN	OTHER	NO REPORT
TOTAL, ALL FIELDS	14,800	12,400	1,400	200	800	(1)	32,700	29,500	300	1,600	1,200	100
PHYSICAL SCIENCES	400	300	(1)	(1)	(1)	(1)	3,900	3,400	100	200	100	100
CHEMISTRY	300	300	(1)	(1)	(1)	(1)	3,500	3,000	100	200	100	100
PHYSICS/ASTRONOMY	(1)	(1)	(1)	(1)	(1)	(1)	400	400	(1)	(1)	(1)	(1)
OTHER PHYS SCIENCES	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
MATH/STATISTICS	600	500	(1)	100	(1)	(1)	1,100	900	(1)	(1)	100	(1)
COMPUTER SCIENCE	(1)	(1)	(1)	(1)	(1)	(1)	200	200	(1)	(1)	(1)	(1)
ENVIRON SCIENCE	500	500	(1)	(1)	(1)	(1)	900	900	(1)	(1)	(1)	(1)
ENGINEERING	1,800	1,400	100	100	(1)	(1)	1,900	1,700	(1)	200	100	(1)
AERO/ASTRO	100	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
CHEMICAL	100	100	(1)	(1)	(1)	(1)	400	400	(1)	(1)	(1)	(1)
CIVIL	300	300	(1)	(1)	(1)	(1)	200	200	(1)	100	(1)	(1)
ELECT/ELECTRON	300	200	100	(1)	(1)	(1)	300	200	(1)	(1)	100	(1)
INDUSTRIAL	100	100	(1)	(1)	(1)	(1)	100	(1)	(1)	100	(1)	(1)
MATERIALS	100	100	(1)	100	(1)	(1)	100	100	(1)	(1)	(1)	(1)
MECHANICAL	200	200	(1)	(1)	(1)	(1)	300	300	(1)	(1)	(1)	(1)
MINING	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
NUCLEAR	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
PETROLEUM	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
OTHER ENGINEERING	500	500	(1)	(1)	(1)	(1)	500	500	(1)	(1)	(1)	(1)
LIFE SCIENCES	3,300	2,900	200	(1)	300	(1)	12,400	10,800	(1)	800	800	(1)
BIOLOGY	2,300	1,800	200	(1)	300	(1)	10,800	9,200	(1)	800	800	(1)
AGR SCIENCE	1,000	1,000	(1)	(1)	(1)	(1)	1,600	1,600	(1)	(1)	(1)	(1)
PSYCHOLOGY	2,100	1,800	100	(1)	100	(1)	3,300	2,900	100	100	200	(1)
SOCIAL SCIENCES	6,100	4,900	900	(1)	400	(1)	8,900	8,600	(1)	300	100	(1)
ECONOMICS	300	300	(1)	(1)	(1)	(1)	1,300	1,200	(1)	(1)	100	(1)
SOCIO/ANTHRO	3,000	2,100	600	(1)	400	(1)	2,400	2,400	(1)	(1)	(1)	(1)
OTHER SOC SCIENCES	2,800	2,500	300	(1)	(1)	(1)	5,300	5,000	(1)	300	(1)	(1)

(1) TOO FEW CASES TO REPORT.

NOTE: DETAIL MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-4. NUMBER OF 1980 SCIENCE/ENGINEERING BACHELOR'S-DEGREE RECIPIENTS BY FIELD OF DEGREE, EMPLOYMENT STATUS, AND SEX: 1982

(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE	TOTAL			LABOR FORCE			TOTAL EMPLOYED			EMPLOYED IN SCI/ENG		
	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN
TOTAL, ALL FIELDS	220,200	138,800	81,400	209,900	134,500	75,300	198,300	128,700	69,600	119,200	87,800	31,400
PHYSICAL SCIENCES	9,600	6,900	2,700	9,100	6,600	2,500	8,900	6,500	2,400	6,300	4,600	1,700
CHEMISTRY	6,700	4,600	2,200	6,400	4,400	2,000	6,200	4,300	1,900	4,500	3,200	1,400
PHYSICS/ASTRONOMY	2,100	1,900	200	1,900	1,700	200	1,800	1,700	200	1,400	1,200	200
OTHER PHYS SCIENCES	800	500	300	800	500	300	800	500	300	400	200	200
MATH/STATISTICS	10,800	6,100	4,800	10,100	5,600	4,500	9,700	5,200	4,500	7,400	4,200	3,200
COMPUTER SCIENCE	10,300	7,200	3,100	10,100	7,200	2,900	10,100	7,200	2,900	9,200	6,400	2,800
ENVIRON SCIENCE	4,900	3,500	1,500	4,600	3,300	1,300	4,200	3,100	1,100	3,400	2,600	900
ENGINEERING	57,000	50,800	6,200	56,200	50,100	6,100	54,600	48,800	5,700	48,100	43,200	4,900
AERO/ASTRO	1,000	1,000	(1)	1,000	1,000	(1)	900	900	(1)	800	800	(1)
CHEMICAL	5,200	4,200	900	5,100	4,200	900	5,000	4,100	900	4,700	3,800	900
CIVIL	10,200	9,100	1,100	10,000	9,000	1,000	9,700	8,800	900	8,200	7,400	800
ELECT/ELECTRON	15,800	14,800	1,100	15,600	14,500	1,100	15,300	14,300	1,000	14,000	13,200	700
INDUSTRIAL	3,000	2,300	700	2,900	2,200	700	2,800	2,200	600	2,200	1,600	600
MATERIALS	900	700	300	900	600	300	800	600	200	700	600	200
MECHANICAL	11,800	10,700	1,100	11,700	10,600	1,100	11,500	10,400	1,100	10,200	9,200	1,000
MINING	1,100	1,000	100	1,100	1,000	100	1,100	1,000	100	1,100	1,000	100
NUCLEAR	400	400	(1)	400	400	(1)	400	400	(1)	400	400	(1)
PETROLEUM	700	600	100	700	600	100	700	600	100	700	600	100
OTHER ENGINEERING	7,000	6,100	900	6,800	5,900	900	6,300	5,500	800	5,300	4,700	600
LIFE SCIENCES	40,000	21,300	18,700	37,600	20,300	17,300	35,100	19,400	15,600	21,100	12,400	8,700
BIOLOGY	25,400	12,200	13,200	23,800	11,500	12,400	22,200	10,900	11,300	11,100	5,700	5,300
AGR SCIENCE	14,600	9,100	5,500	13,700	8,800	4,900	12,900	8,600	4,300	10,100	6,700	3,400
PSYCHOLOGY	28,700	10,500	18,200	27,200	10,400	16,800	25,500	9,400	16,100	6,600	3,200	3,400
SOCIAL SCIENCES	58,900	32,600	26,300	55,000	31,200	23,800	50,300	29,100	21,200	17,000	11,200	5,800
ECONOMICS	18,600	13,100	5,400	17,900	12,800	5,100	17,600	12,600	5,100	6,900	5,600	1,300
SOCIO/ANTHRO	20,200	7,800	12,400	19,200	7,500	11,700	17,000	6,800	10,200	4,800	2,400	2,400
OTHER SOC SCIENCES	20,100	11,700	8,500	17,900	10,800	7,100	15,700	9,700	6,000	5,300	3,200	2,100

(1) TOO FEW CASES TO REPORT.

NOTE: DETAIL MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-5. NUMBER OF 1980 SCIENCE/ENGINEERING BACHELOR'S-DEGREE RECIPIENTS BY FIELD OF DEGREE, SEX, AND TYPE OF EMPLOYER: 1982

(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND SEX	TOTAL EMPLOYED	TYPE OF EMPLOYER						
		BUSINESS/ INDUSTRY	EDUCATIONAL INSTITUTIONS	NONPROFIT ORGS	FEDERAL GOVERNMENT	STATE/LOCAL GOVERNMENTS	OTHER	NO REPORT
TOTAL, ALL FIELDS	198,300	126,300	18,500	7,400	9,600	14,600	20,700	1,200
MEN	128,700	88,200	8,300	2,600	6,700	9,200	13,300	300
WOMEN	69,600	38,100	10,200	4,800	2,900	5,400	7,300	800
PHYSICAL SCIENCES	8,900	6,000	700	300	600	300	900	(1)
MEN	6,500	4,200	500	100	600	200	800	(1)
WOMEN	2,400	1,700	200	200	100	100	100	(1)
CHEMISTRY	6,200	4,700	200	300	100	200	700	(1)
MEN	4,300	3,200	100	100	(1)	100	600	(1)
WOMEN	1,900	1,400	100	100	100	100	100	(1)
PHYSICS/ASTRONOMY	1,800	900	200	(1)	400	100	200	(1)
MEN	1,700	800	100	(1)	400	100	200	(1)
WOMEN	200	100	100	(1)	(1)	(1)	(1)	(1)
OTHER PHYS SCIENCES	800	400	200	(1)	100	(1)	(1)	(1)
MEN	500	200	200	(1)	100	(1)	(1)	(1)
WOMEN	300	300	(1)	(1)	(1)	(1)	(1)	(1)
MATH/STATISTICS	9,700	6,600	1,200	100	700	400	500	300
MEN	5,200	3,800	500	(1)	300	300	300	(1)
WOMEN	4,500	2,700	800	(1)	400	100	200	300
COMPUTER SCIENCE	10,100	8,700	600	100	200	100	400	(1)
MEN	7,200	6,100	400	100	100	100	400	(1)
WOMEN	2,900	2,600	100	100	100	(1)	(1)	(1)
ENVIRON SCIENCE	4,200	2,700	300	100	300	500	300	(1)
MEN	3,100	1,900	200	100	200	400	300	(1)
WOMEN	1,100	700	100	(1)	100	100	(1)	(1)
ENGINEERING	54,600	43,500	1,200	600	3,000	1,800	4,200	300
MEN	48,800	38,600	900	600	2,700	1,700	4,200	300
WOMEN	5,700	5,000	300	(1)	300	100	(1)	(1)
AERO/ASTRO	900	400	(1)	(1)	100	(1)	400	(1)
MEN	900	400	(1)	(1)	100	(1)	400	(1)
WOMEN	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
CHEMICAL	5,000	4,600	100	(1)	200	(1)	(1)	(1)
MEN	4,100	3,800	100	(1)	100	(1)	(1)	(1)
WOMEN	900	900	(1)	(1)	(1)	(1)	(1)	(1)
CIVIL	9,700	6,100	300	100	700	1,200	1,300	100
MEN	8,800	5,400	300	100	500	1,100	1,300	100
WOMEN	900	700	(1)	(1)	100	100	(1)	(1)

TABLE B-5. NUMBER OF 1980 SCIENCE/ENGINEERING BACHELOR'S-DEGREE RECIPIENTS BY FIELD OF DEGREE, SEX, AND TYPE OF EMPLOYER: 1982
(CONTINUED)
(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND SEX	TOTAL EMPLOYED	TYPE OF EMPLOYER						
		BUSINESS/ INDUSTRY	EDUCATIONAL INSTITUTIONS	NONPROFIT ORGS	FEDERAL GOVERNMENT	STATE/LOCAL GOVERNMENTS	OTHER	NO REPORT
ELECT/ELECTRON	15,300	12,300	400	200	1,000	(1)	1,200	200
MEN	14,300	11,600	100	200	1,000	(1)	1,200	200
WOMEN	1,000	700	300	(1)	(1)	(1)	(1)	(1)
INDUSTRIAL	2,800	2,300	100	200	100	100	200	(1)
MEN	2,200	1,600	100	200	100	100	200	(1)
WOMEN	600	600	(1)	(1)	(1)	(1)	(1)	(1)
MATERIALS	800	800	(1)	(1)	(1)	(1)	(1)	(1)
MEN	600	600	(1)	(1)	(1)	(1)	(1)	(1)
WOMEN	200	200	(1)	(1)	(1)	(1)	(1)	(1)
MECHANICAL	11,500	10,200	(1)	(1)	500	100	700	(1)
MEN	10,400	9,200	(1)	(1)	500	100	700	(1)
WOMEN	1,100	1,000	(1)	(1)	100	(1)	(1)	(1)
MINING	1,100	1,000	(1)	(1)	(1)	(1)	(1)	(1)
MEN	1,000	1,000	(1)	(1)	(1)	(1)	(1)	(1)
WOMEN	100	100	(1)	(1)	(1)	(1)	(1)	(1)
NUCLEAR	400	300	(1)	(1)	(1)	(1)	100	(1)
MEN	400	300	(1)	(1)	(1)	(1)	100	(1)
WOMEN	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
PETROLEUM	700	600	(1)	(1)	(1)	(1)	(1)	(1)
MEN	600	600	(1)	(1)	(1)	(1)	(1)	(1)
WOMEN	100	100	(1)	(1)	(1)	(1)	(1)	(1)
OTHER ENGINEERING	6,300	4,900	300	100	400	400	300	(1)
MEN	5,500	4,100	300	100	300	400	300	(1)
WOMEN	800	700	(1)	(1)	100	(1)	(1)	(1)
LIFE SCIENCES	35,100	17,300	6,200	1,500	2,200	2,700	4,800	300
MEN	19,400	11,500	2,900	500	1,100	1,500	1,900	(1)
WOMEN	15,600	5,800	3,300	900	1,100	1,300	2,900	300
BIOLOGY	22,200	9,400	4,800	1,000	800	1,700	4,200	300
MEN	10,900	6,100	2,000	400	200	700	1,500	(1)
WOMEN	11,300	3,300	2,800	600	600	1,000	2,700	300
AGR SCIENCE	12,900	7,900	1,300	500	1,400	1,100	700	100
MEN	8,600	5,500	800	200	900	800	400	(1)
WOMEN	4,300	2,400	500	300	500	300	200	100

TABLE B-5. NUMBER OF 1980 SCIENCE/ENGINEERING BACHELOR'S-DEGREE RECIPIENTS BY FIELD OF DEGREE,
(CONTINUED) SEX, AND TYPE OF EMPLOYER: 1982
(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND SEX	TOTAL EMPLOYED	TYPE OF EMPLOYER						
		BUSINESS/ INDUSTRY	EDUCATIONAL INSTITUTIONS	NONPROFIT ORGS	FEDERAL GOVERNMENT	STATE/LOCAL GOVERNMENTS	OTHER	NO REPORT
PSYCHOLOGY	25,500	10,700	3,800	2,800	800	3,000	4,400	(1)
MEN	9,400	3,900	1,000	900	400	1,600	1,700	(1)
WOMEN	16,100	6,800	2,800	2,000	400	1,400	2,700	(1)
SOCIAL SCIENCES	50,300	30,900	4,500	1,900	1,700	5,800	5,200	300
MEN	29,100	18,100	2,000	300	1,300	3,500	3,800	(1)
WOMEN	21,200	12,800	2,500	1,700	400	2,300	1,400	200
ECONOMICS	17,600	14,600	900	300	500	400	900	(1)
MEN	12,600	10,500	300	(1)	400	400	900	(1)
WOMEN	5,100	4,100	600	300	100	(1)	(1)	(1)
SOCIO/ANTHRO	17,000	8,600	1,000	1,100	700	3,200	2,200	200
MEN	6,800	3,500	100	(1)	600	1,500	1,200	(1)
WOMEN	10,200	5,100	900	1,100	100	1,700	1,000	200
OTHER SOC SCIENCES	15,700	7,700	2,500	600	500	2,200	2,100	(1)
MEN	9,700	4,100	1,500	300	300	1,600	1,800	(1)
WOMEN	6,000	3,600	1,000	300	100	600	300	(1)

(1) TOO FEW CASES TO REPORT.

NOTE: DETAIL MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-6. NUMBER OF 1980 SCIENCE/ENGINEERING BACHELOR'S-DEGREE RECIPIENTS BY FIELD OF DEGREE, SEX, AND PRIMARY WORK ACTIVITY: 1982

(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND SEX	TOTAL EMPLOYED	PRIMARY WORK ACTIVITY							
		R & D	MANAGEMENT/ ADMIN	TEACHING	PRODUCTION/ INSPECTION	RPT/STAT/ COMPUTING ACTIVITIES	SALES/ PROF SERV	OTHER	NO REPORT
TOTAL, ALL FIELDS	198,300	43,900	35,900	14,500	32,200	26,100	28,000	12,800	4,900
MEN	128,700	31,600	23,400	6,800	25,200	16,400	13,800	8,800	2,700
WOMEN	69,600	12,300	12,500	7,700	7,100	9,700	14,200	4,000	2,200
PHYSICAL SCIENCES	8,900	3,200	900	700	2,000	700	800	600	100
MEN	6,500	2,200	700	600	1,600	400	600	500	100
WOMEN	2,400	1,000	200	100	400	300	200	100	(1)
CHEMISTRY	6,200	2,200	800	300	1,400	300	700	400	(1)
MEN	4,300	1,400	600	200	1,000	200	500	400	(1)
WOMEN	1,900	800	200	100	400	100	200	100	(1)
PHYSICS/ASTRONOMY	1,800	800	(1)	200	500	100	100	100	(1)
MEN	1,700	700	(1)	200	500	100	(1)	100	(1)
WOMEN	200	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)
OTHER PHYS SCIENCES	800	200	100	200	(1)	200	(1)	(1)	(1)
MEN	500	100	100	200	(1)	100	(1)	(1)	(1)
WOMEN	300	100	(1)	(1)	(1)	100	(1)	(1)	(1)
MATH/STATISTICS	9,700	1,600	1,000	1,100	400	4,300	300	400	500
MEN	5,200	900	700	500	300	2,300	200	100	300
WOMEN	4,500	700	300	700	100	2,000	100	300	300
COMPUTER SCIENCE	10,100	2,300	600	100	300	6,300	100	200	100
MEN	7,200	1,600	400	100	300	4,400	100	200	100
WOMEN	2,900	600	100	(1)	100	1,900	100	(1)	(1)
ENVIRON SCIENCE	4,200	1,600	400	200	900	400	200	300	100
MEN	3,100	1,100	300	100	700	300	100	300	100
WOMEN	1,100	500	100	100	200	100	100	(1)	(1)
ENGINEERING	54,600	23,400	6,900	600	14,300	3,400	1,900	3,200	900
MEN	48,800	21,200	5,900	500	12,900	2,900	1,700	3,000	800
WOMEN	5,700	2,200	900	200	1,400	500	200	200	100
AERO/ASTRO	900	500	200	(1)	100	(1)	(1)	100	(1)
MEN	900	500	200	(1)	100	(1)	(1)	100	(1)
WOMEN	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
CHEMICAL	5,000	2,200	200	(1)	2,000	200	200	100	100
MEN	4,100	1,700	200	(1)	1,700	200	200	(1)	100
WOMEN	900	500	(1)	(1)	300	(1)	(1)	(1)	(1)
CIVIL	9,700	2,400	1,800	300	2,800	500	400	1,300	300
MEN	8,800	2,100	1,700	300	2,600	400	400	1,200	200
WOMEN	900	300	100	(1)	200	100	(1)	100	100

TABLE B-6. NUMBER OF 1980 SCIENCE/ENGINEERING BACHELOR'S-DEGREE RECIPIENTS BY FIELD OF DEGREE,
(CONTINUED) SEX, AND PRIMARY WORK ACTIVITY: 1982
(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND SEX	TOTAL EMPLOYED	PRIMARY WORK ACTIVITY							
		R & D	MANAGEMENT/ ADMIN	TEACHING	PRODUCTION/ INSPECTION	RPT/STAT/ COMPUTING ACTIVITIES	SALES/ PROF SERV	OTHER	NO REPORT
ELECT/ELECTRON	15,300	8,400	1,600	(1)	3,200	1,300	300	500	100
MEN	14,300	8,000	1,300	(1)	3,100	1,100	300	500	100
WOMEN	1,000	400	300	(1)	100	200	(1)	(1)	(1)
INDUSTRIAL	2,800	1,000	600	100	600	200	200	100	(1)
MEN	2,200	800	400	100	500	200	100	100	(1)
WOMEN	600	200	200	(1)	100	(1)	100	(1)	(1)
MATERIALS	800	400	(1)	(1)	300	(1)	(1)	(1)	(1)
MEN	600	300	(1)	(1)	200	(1)	(1)	(1)	(1)
WOMEN	200	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)
MECHANICAL	11,500	6,000	1,000	(1)	2,900	500	400	700	100
MEN	10,400	5,500	900	(1)	2,600	400	200	700	100
WOMEN	1,100	400	100	(1)	300	100	100	(1)	(1)
MINING	1,100	300	300	(1)	300	100	(1)	(1)	(1)
MEN	1,000	300	300	(1)	300	100	(1)	(1)	(1)
WOMEN	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
NUCLEAR	400	100	100	(1)	200	(1)	(1)	(1)	(1)
MEN	400	100	100	(1)	200	(1)	(1)	(1)	(1)
WOMEN	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
PETROLEUM	700	200	100	(1)	300	100	(1)	(1)	(1)
MEN	600	100	100	(1)	300	100	(1)	(1)	(1)
WOMEN	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
OTHER ENGINEERING	6,300	2,000	1,100	200	1,700	500	300	300	300
MEN	5,500	1,800	900	100	1,400	500	300	300	300
WOMEN	800	200	200	200	300	100	(1)	(1)	(1)
LIFE SCIENCES	35,100	7,100	5,600	3,000	8,100	2,000	6,400	2,000	1,000
MEN	19,400	2,500	3,600	1,400	5,600	1,300	3,800	900	200
WOMEN	15,600	4,500	2,000	1,500	2,500	700	2,500	1,100	700
BIOLOGY	22,200	5,200	2,500	2,200	3,800	1,100	5,200	1,400	800
MEN	10,900	1,700	1,400	1,000	2,400	800	3,100	400	200
WOMEN	11,300	3,600	1,000	1,300	1,300	300	2,100	1,000	600
AGR SCIENCE	12,900	1,800	3,100	700	4,400	900	1,200	600	200
MEN	8,600	900	2,200	500	3,200	500	800	600	100
WOMEN	4,300	1,000	900	300	1,200	400	400	100	100

TABLE B-6. NUMBER OF 1980 SCIENCE/ENGINEERING BACHELOR'S-DEGREE RECIPIENTS BY FIELD OF DEGREE,
(CONTINUED) SEX, AND PRIMARY WORK ACTIVITY: 1982
(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND SEX	TOTAL EMPLOYED	PRIMARY WORK ACTIVITY							
		R & D	MANAGEMENT/ ADMIN	TEACHING	PRODUCTION/ INSPECTION	RPT/STAT/ COMPUTING ACTIVITIES	SALES/ PROF SERV	OTHER	NO REPORT
PSYCHOLOGY	25,500	900	6,800	5,100	1,800	2,100	5,900	2,200	600
MEN	9,400	100	2,700	1,600	1,100	800	1,900	1,100	100
WOMEN	16,100	800	4,100	3,500	700	1,300	4,100	1,100	500
SOCIAL SCIENCES	50,300	3,900	13,800	3,700	4,400	6,900	12,300	3,800	1,600
MEN	29,100	1,900	9,000	2,100	2,800	4,000	5,500	2,700	1,000
WOMEN	21,200	1,900	4,800	1,500	1,600	2,900	6,800	1,200	600
ECONOMICS	17,600	1,800	6,000	900	800	3,800	3,100	1,300	(1)
MEN	12,600	1,500	4,000	600	800	2,300	2,100	1,200	(1)
WOMEN	5,100	300	1,900	300	(1)	1,400	1,100	100	(1)
SOCIO/ANTHRO	17,000	900	3,400	1,500	1,500	2,100	4,900	1,600	1,000
MEN	6,800	(1)	1,600	600	500	1,000	1,600	900	700
WOMEN	10,200	900	1,800	900	1,000	1,100	3,300	800	200
OTHER SOC SCIENCES	15,700	1,100	4,300	1,300	2,100	1,000	4,200	1,000	600
MEN	9,700	400	3,400	900	1,600	700	1,800	600	300
WOMEN	6,000	700	1,000	400	500	300	2,400	300	300

(1) TOO FEW CASES TO REPORT.

NOTE: DETAIL MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-7. NUMBER OF 1980 SCIENCE/ENGINEERING BACHELOR'S-DEGREE RECIPIENTS BY FIELD OF DEGREE, TYPE OF EMPLOYER, AND PRIMARY WORK ACTIVITY: 1982
(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND TYPE OF EMPLOYER	TOTAL EMPLOYED	PRIMARY WORK ACTIVITY							
		R & D	MANAGEMENT/ ADMIN	TEACHING	PRODUCTION/ INSPECTION	RPT/STAT/ COMPUTING ACTIVITIES	SALES/ PROF SERV	OTHER	NO REPORT
TOTAL, ALL FIELDS	198,300	43,900	35,900	14,500	32,200	26,100	28,000	12,800	4,900
BUSINESS/INDUSTRY	126,300	31,900	23,300	1,500	24,200	20,100	17,900	5,500	1,900
EDUCATIONAL INSTS	18,500	3,200	2,000	8,300	1,100	1,200	1,900	600	300
NONPROFIT ORGS	7,400	1,100	1,200	1,600	1,100	500	1,200	600	100
FEDERAL GOVT	9,600	3,500	1,300	100	1,600	1,600	600	500	300
STATE/LOCAL GOVT	14,600	2,000	3,600	1,000	2,300	1,900	2,200	1,000	700
OTHER	20,700	2,300	4,500	2,100	2,000	700	4,200	4,500	500
NO REPORT	1,200	100	(1)	(1)	(1)	(1)	(1)	(1)	1,000
PHYSICAL SCIENCES	8,900	3,200	900	700	2,000	700	800	600	100
BUSINESS/INDUSTRY	6,000	2,500	700	(1)	1,300	600	600	200	(1)
EDUCATIONAL INSTS	700	100	(1)	500	(1)	(1)	(1)	(1)	(1)
NONPROFIT ORGS	300	200	(1)	(1)	100	(1)	(1)	(1)	(1)
FEDERAL GOVT	600	300	100	(1)	300	(1)	(1)	(1)	(1)
STATE/LOCAL GOVT	300	(1)	(1)	(1)	300	(1)	(1)	(1)	(1)
OTHER	900	100	200	100	100	(1)	200	300	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
MATH/STATISTICS	9,700	1,600	1,000	1,100	400	4,300	300	400	500
BUSINESS/INDUSTRY	6,600	1,300	700	(1)	400	3,400	200	300	100
EDUCATIONAL INSTS	1,200	(1)	(1)	1,100	(1)	100	(1)	(1)	(1)
NONPROFIT ORGS	100	(1)	(1)	(1)	(1)	100	(1)	(1)	(1)
FEDERAL GOVT	700	100	(1)	(1)	(1)	500	100	(1)	100
STATE/LOCAL GOVT	400	100	200	(1)	(1)	100	(1)	(1)	(1)
OTHER	500	100	100	(1)	(1)	100	(1)	100	100
NO REPORT	300	(1)	(1)	(1)	(1)	(1)	(1)	(1)	300
COMPUTER SCIENCE	10,100	2,300	600	100	300	6,300	100	200	100
BUSINESS/INDUSTRY	8,700	2,100	400	100	100	5,600	100	100	100
EDUCATIONAL INSTS	600	100	(1)	(1)	(1)	400	(1)	(1)	(1)
NONPROFIT ORGS	100	(1)	(1)	(1)	(1)	100	(1)	(1)	(1)
FEDERAL GOVT	200	(1)	(1)	(1)	100	(1)	(1)	(1)	(1)
STATE/LOCAL GOVT	100	(1)	(1)	(1)	(1)	100	(1)	(1)	(1)
OTHER	400	(1)	100	(1)	100	100	(1)	100	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
ENVIRON SCIENCE	4,200	1,600	400	200	900	400	200	300	100
BUSINESS/INDUSTRY	2,700	1,100	200	(1)	600	300	200	200	100
EDUCATIONAL INSTS	300	100	(1)	200	(1)	(1)	(1)	(1)	(1)
NONPROFIT ORGS	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
FEDERAL GOVT	300	200	(1)	(1)	100	(1)	(1)	(1)	(1)
STATE/LOCAL GOVT	500	200	100	(1)	100	(1)	(1)	(1)	(1)
OTHER	300	(1)	100	(1)	100	(1)	(1)	100	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)

TABLE B-7. NUMBER OF 1980 SCIENCE/ENGINEERING BACHELOR'S-DEGREE RECIPIENTS BY FIELD OF DEGREE,
(CONTINUED) TYPE OF EMPLOYER, AND PRIMARY WORK ACTIVITY: 1982
(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND TYPE OF EMPLOYER	TOTAL EMPLOYED	PRIMARY WORK ACTIVITY							
		R & D	MANAGEMENT/ ADMIN	TEACHING	PRODUCTION/ INSPECTION	RPT/STAT/ COMPUTING ACTIVITIES	SALES/ PROF SERV	OTHER	NO REPORT
ENGINEERING	54,600	23,400	6,900	600	14,300	3,400	1,900	3,200	900
BUSINESS/INDUSTRY	43,500	20,300	4,100	200	12,300	2,800	1,800	1,700	300
EDUCATIONAL INSTS	1,200	400	400	200	100	(1)	(1)	100	100
NONPROFIT ORGS	600	200	(1)	(1)	100	200	(1)	100	(1)
FEDERAL GOVT	3,000	1,400	500	(1)	500	100	(1)	200	200
STATE/LOCAL GOVT	1,800	400	500	(1)	600	200	(1)	(1)	100
OTHER	4,200	700	1,400	200	800	(1)	(1)	1,000	100
NO REPORT	300	100	(1)	(1)	(1)	(1)	(1)	(1)	200
LIFE SCIENCES	35,100	7,100	5,600	3,000	8,100	2,000	6,400	2,000	1,000
BUSINESS/INDUSTRY	17,300	1,800	3,900	(1)	5,500	1,300	3,800	600	500
EDUCATIONAL INSTS	6,200	2,400	300	2,200	700	100	200	100	100
NONPROFIT ORGS	1,500	400	200	300	100	(1)	300	200	(1)
FEDERAL GOVT	2,200	1,000	100	100	400	300	100	200	(1)
STATE/LOCAL GOVT	2,700	500	600	200	1,100	100	(1)	200	(1)
OTHER	4,800	800	400	200	400	100	2,100	700	100
NO REPORT	300	(1)	(1)	(1)	(1)	(1)	(1)	(1)	300
PSYCHOLOGY	25,500	900	6,800	5,100	1,800	2,100	5,900	2,200	600
BUSINESS/INDUSTRY	10,700	100	4,300	400	1,300	900	3,200	300	(1)
EDUCATIONAL INSTS	3,800	(1)	600	2,400	(1)	(1)	500	300	100
NONPROFIT ORGS	2,800	100	600	1,000	200	100	400	200	100
FEDERAL GOVT	800	100	200	(1)	(1)	200	200	(1)	(1)
STATE/LOCAL GOVT	3,000	300	500	500	(1)	500	400	400	400
OTHER	4,400	200	500	800	300	400	1,200	1,000	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
SOCIAL SCIENCES	50,300	3,900	13,800	3,700	4,400	6,900	12,300	3,800	1,600
BUSINESS/INDUSTRY	30,900	2,600	9,000	700	2,800	5,200	7,900	2,000	800
EDUCATIONAL INSTS	4,500	(1)	600	1,600	300	500	1,200	300	(1)
NONPROFIT ORGS	1,900	300	300	300	500	(1)	600	(1)	(1)
FEDERAL GOVT	1,700	300	400	(1)	300	300	200	100	(1)
STATE/LOCAL GOVT	5,800	400	1,800	200	300	800	1,700	300	300
OTHER	5,200	300	1,700	900	300	(1)	800	1,100	300
NO REPORT	300	(1)	(1)	(1)	(1)	(1)	(1)	(1)	300

(1) TOO FEW CASES TO REPORT.

NOTE: DETAIL MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-8. NUMBER OF 1980 SCIENCE/ENGINEERING BACHELOR'S-DEGREE RECIPIENTS BY FIELD OF DEGREE AND FIELD OF EMPLOYMENT: 1982

(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE	TOTAL EMPLOYED	NON S/E EMPLOYED	SCI/ENG EMPLOYED	S/E FIELD OF EMPLOYMENT					
				CHEMISTRY	PHYSICS/ ASTRONOMY	OTHER PHYSICAL SCIENCES	MATH/ STAT	COMPUTER SCIENCE	ENVIRON SCIENCE
TOTAL, ALL FIELDS	198,300	79,100	119,200	4,600	500	300	4,100	20,100	3,200
PHYSICAL SCIENCES	8,900	2,600	6,300	2,500	400	200	200	500	100
CHEMISTRY	6,200	1,600	4,500	2,400	(1)	(1)	100	200	100
PHYSICS/ASTRONOMY	1,800	500	1,400	(1)	400	(1)	(1)	200	100
OTHER PHYS SCIENCES	800	500	400	100	(1)	100	(1)	100	(1)
MATH/STATISTICS	9,700	2,300	7,400	(1)	(1)	(1)	1,600	4,500	(1)
COMPUTER SCIENCE	10,100	900	9,200	(1)	(1)	(1)	200	8,400	(1)
ENVIRON SCIENCE	4,200	700	3,400	100	(1)	100	(1)	(1)	2,800
ENGINEERING	54,600	6,400	48,100	(1)	(1)	(1)	1,000	2,100	(1)
AERO/ASTRO	900	100	800	(1)	(1)	(1)	(1)	(1)	(1)
CHEMICAL	5,000	300	4,700	(1)	(1)	(1)	(1)	100	(1)
CIVIL	9,700	1,500	8,200	(1)	(1)	(1)	100	200	(1)
ELECT/ELECTRON	15,300	1,400	14,000	(1)	(1)	(1)	200	1,500	(1)
INDUSTRIAL	2,800	600	2,200	(1)	(1)	(1)	200	100	(1)
MATERIALS	800	100	700	(1)	(1)	(1)	(1)	(1)	(1)
MECHANICAL	11,500	1,300	10,200	(1)	(1)	(1)	300	200	(1)
MINING	1,100	(1)	1,100	(1)	(1)	(1)	(1)	(1)	(1)
NUCLEAR	400	(1)	400	(1)	(1)	(1)	(1)	(1)	(1)
PETROLEUM	700	(1)	700	(1)	(1)	(1)	(1)	(1)	(1)
OTHER ENGINEERING	6,300	1,000	5,300	(1)	(1)	(1)	100	(1)	(1)
LIFE SCIENCES	35,100	14,000	21,100	2,000	100	(1)	300	800	300
BIOLOGY	22,200	11,100	11,100	1,700	100	(1)	300	500	300
AGR SCIENCE	12,900	2,800	10,100	300	(1)	(1)	(1)	300	(1)
PSYCHOLOGY	25,500	18,900	6,600	(1)	(1)	(1)	100	400	(1)
SOCIAL SCIENCES	50,300	33,300	17,000	(1)	(1)	(1)	800	3,300	100
ECONOMICS	17,600	10,800	6,900	(1)	(1)	(1)	300	2,000	(1)
SOCIO/ANTHRO	17,000	12,200	4,800	(1)	(1)	(1)	(1)	500	(1)
OTHER SOC SCIENCES	15,700	10,300	5,300	(1)	(1)	(1)	500	800	100

TABLE B-8. NUMBER OF 1980 SCIENCE/ENGINEERING BACHELOR'S-DEGREE RECIPIENTS BY FIELD OF DEGREE
(CONTINUED) AND FIELD OF EMPLOYMENT: 1982
(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

	S/E FIELD OF EMPLOYMENT						
FIELD OF DEGREE	ENGINEERING	BIOLOGY	AGRICULTURAL SCIENCE	PSYCHOLOGY	ECONOMICS	SOCIOLOGY/ ANTHROPOLOGY	OTHER SOCIAL SCIENCES
TOTAL, ALL FIELDS	55,000	5,900	11,500	2,600	3,000	4,700	3,700
PHYSICAL SCIENCES	2,100	300	(1)	(1)	(1)	(1)	(1)
CHEMISTRY	1,400	300	(1)	(1)	(1)	(1)	(1)
PHYSICS/ASTRONOMY	600	(1)	(1)	(1)	(1)	(1)	(1)
OTHER PHYS SCIENCES	100	(1)	(1)	(1)	(1)	(1)	(1)
MATH/STATISTICS	1,200	(1)	(1)	(1)	100	(1)	(1)
COMPUTER SCIENCE	600	(1)	(1)	(1)	(1)	(1)	(1)
ENVIRON SCIENCE	500	(1)	100	(1)	(1)	(1)	(1)
ENGINEERING	44,600	100	300	(1)	(1)	(1)	100
AERO/ASTRO	800	(1)	(1)	(1)	(1)	(1)	(1)
CHEMICAL	4,500	(1)	(1)	(1)	(1)	(1)	(1)
CIVIL	7,900	(1)	(1)	(1)	(1)	(1)	(1)
ELECT/ELECTRON	12,200	(1)	(1)	(1)	(1)	(1)	(1)
INDUSTRIAL	1,900	(1)	(1)	(1)	(1)	(1)	(1)
MATERIALS	700	(1)	(1)	(1)	(1)	(1)	(1)
MECHANICAL	9,600	(1)	(1)	(1)	(1)	(1)	(1)
MINING	900	(1)	200	(1)	(1)	(1)	(1)
NUCLEAR	400	(1)	(1)	(1)	(1)	(1)	(1)
PETROLEUM	700	(1)	(1)	(1)	(1)	(1)	(1)
OTHER ENGINEERING	5,000	100	100	(1)	(1)	(1)	(1)
LIFE SCIENCES	2,200	4,900	10,200	(1)	200	(1)	100
BIOLOGY	1,700	4,700	1,800	(1)	(1)	(1)	100
AGR SCIENCE	600	200	8,400	(1)	200	(1)	(1)
PSYCHOLOGY	1,200	400	300	2,300	100	700	1,000
SOCIAL SCIENCES	2,600	200	700	200	2,600	3,900	2,500
ECONOMICS	1,000	(1)	300	(1)	2,600	(1)	700
SOCIO/ANTHRO	500	200	300	100	(1)	2,900	200
OTHER SOC SCIENCES	1,100	(1)	100	100	(1)	1,000	1,600

(1) TOO FEW CASES TO REPORT.

NOTE: DETAIL MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-9. NUMBER OF 1980 SCIENCE/ENGINEERING BACHELOR'S-DEGREE RECIPIENTS EMPLOYED IN S/E JOBS BY FIELD OF DEGREE, TYPE OF EMPLOYER, AND PRIMARY WORK ACTIVITY: 1982

(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND TYPE OF EMPLOYER	TOTAL S/E EMPLOYED	PRIMARY WORK ACTIVITY							
		R & D	MANAGEMENT/ ADMIN	TEACHING	PRODUCTION/ INSPECTION	RPT/STAT/ COMPUTING ACTIVITIES	SALES/ PROF SERV	OTHER	NO REPORT
TOTAL, ALL FIELDS	119,200	39,200	17,600	3,300	26,000	20,600	6,600	5,100	700
BUSINESS/INDUSTRY	84,500	29,300	10,900	300	20,300	16,300	4,300	3,000	100
EDUCATIONAL INSTS	6,700	2,800	200	1,400	600	1,100	500	100	100
NONPROFIT ORGS	2,600	800	600	200	100	300	400	300	(1)
FEDERAL GOVT	8,000	3,300	1,000	(1)	1,500	1,400	300	400	100
STATE/LOCAL GOVT	9,800	1,400	2,400	500	2,100	1,400	800	800	400
OTHER	7,400	1,600	2,400	800	1,400	200	400	600	(1)
NO REPORT	100	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)
PHYSICAL SCIENCES	6,300	3,000	600	200	1,400	400	500	400	(1)
BUSINESS/INDUSTRY	5,000	2,500	500	(1)	1,000	400	400	200	(1)
EDUCATIONAL INSTS	300	100	(1)	100	(1)	(1)	(1)	(1)	(1)
NONPROFIT ORGS	100	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)
FEDERAL GOVT	400	200	100	(1)	100	(1)	(1)	(1)	(1)
STATE/LOCAL GOVT	300	(1)	(1)	(1)	300	(1)	(1)	(1)	(1)
OTHER	200	(1)	(1)	(1)	(1)	(1)	(1)	100	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
MATH/STATISTICS	7,400	1,500	700	300	300	4,300	(1)	300	100
BUSINESS/INDUSTRY	5,800	1,300	600	(1)	300	3,400	(1)	200	(1)
EDUCATIONAL INSTS	400	(1)	(1)	300	(1)	100	(1)	(1)	(1)
NONPROFIT ORGS	100	(1)	(1)	(1)	(1)	100	(1)	(1)	(1)
FEDERAL GOVT	700	100	(1)	(1)	(1)	500	(1)	(1)	100
STATE/LOCAL GOVT	200	100	(1)	(1)	(1)	100	(1)	(1)	(1)
OTHER	200	100	100	(1)	(1)	(1)	(1)	(1)	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
COMPUTER SCIENCE	9,200	2,200	400	100	300	6,000	100	100	(1)
BUSINESS/INDUSTRY	8,200	2,100	300	100	100	5,400	100	100	(1)
EDUCATIONAL INSTS	400	100	(1)	(1)	(1)	300	(1)	(1)	(1)
NONPROFIT ORGS	100	(1)	(1)	(1)	(1)	100	(1)	(1)	(1)
FEDERAL GOVT	100	(1)	(1)	(1)	100	(1)	(1)	(1)	(1)
STATE/LOCAL GOVT	100	(1)	(1)	(1)	(1)	100	(1)	(1)	(1)
OTHER	200	(1)	100	(1)	100	100	(1)	(1)	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
ENVIRON SCIENCE	3,400	1,600	300	200	700	300	100	200	(1)
BUSINESS/INDUSTRY	2,300	1,100	200	(1)	500	300	100	200	(1)
EDUCATIONAL INSTS	200	100	(1)	100	(1)	(1)	(1)	(1)	(1)
NONPROFIT ORGS	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
FEDERAL GOVT	300	200	(1)	(1)	100	(1)	(1)	(1)	(1)
STATE/LOCAL GOVT	400	200	(1)	(1)	100	(1)	(1)	(1)	(1)
OTHER	200	(1)	100	(1)	100	(1)	(1)	(1)	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)

TABLE B-9 NUMBER OF 1980 SCIENCE/ENGINEERING BACHELOR'S-DEGREE RECIPIENTS EMPLOYED IN S/E JOBS
(CONTINUED) BY FIELD OF DEGREE, TYPE OF EMPLOYER, AND PRIMARY WORK ACTIVITY: 1982
(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND TYPE OF EMPLOYER	TOTAL S/E EMPLOYED	PRIMARY WORK ACTIVITY							
		R & D	MANAGEMENT/ ADMIN	TEACHING	PRODUCTION/ INSPECTION	RPT/STAT/ COMPUTING ACTIVITIES	SALES/ PROF SERV	OTHER	NO REPORT
ENGINEERING	48.100	22,700	5.500	200	13.200	3,000	1.100	2.200	200
BUSINESS/INDUSTRY	39.900	19,700	3,500	100	11,300	2.500	1.100	1,500	100
EDUCATIONAL INSTS	600	300	(1)	(1)	(1)	(1)	(1)	100	100
NONPROFIT ORGS	400	200	(1)	(1)	(1)	100	(1)	100	(1)
FEDERAL GOVT	2.700	1,400	500	(1)	500	100	(1)	100	(1)
STATE/LOCAL GOVT	1.700	400	500	(1)	600	200	(1)	(1)	100
OTHER	2.700	600	900	100	700	(1)	(1)	300	(1)
NO REPORT	100	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)
LIFE SCIENCES	21.100	5,900	3,600	800	6,900	1,300	1,500	1,100	(1)
BUSINESS/INDUSTRY	11,300	1,500	2,800	(1)	4,800	700	1,000	500	(1)
EDUCATIONAL INSTS	3,400	2,100	(1)	600	500	100	100	(1)	(1)
NONPROFIT ORGS	1,000	400	200	(1)	100	(1)	300	100	(1)
FEDERAL GOVT	2,000	1,000	100	(1)	400	300	100	200	(1)
STATE/LOCAL GOVT	2,200	400	500	100	900	100	(1)	200	(1)
OTHER	1,100	400	100	100	200	100	100	100	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
PSYCHOLOGY	6,600	500	2,200	1,300	600	700	900	400	100
BUSINESS/INDUSTRY	2,600	100	1,300	100	400	300	300	(1)	(1)
EDUCATIONAL INSTS	300	(1)	(1)	200	(1)	(1)	100	(1)	(1)
NONPROFIT ORGS	700	100	100	200	(1)	(1)	100	100	(1)
FEDERAL GOVT	300	(1)	100	(1)	(1)	200	(1)	(1)	(1)
STATE/LOCAL GOVT	1.500	100	300	400	(1)	200	100	200	100
OTHER	1, 100	100	300	300	100	(1)	300	(1)	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
SOCIAL SCIENCES	17,000	1,900	4,200	300	2,700	4,700	2.400	600	300
BUSINESS/INDUSTRY	9,500	1,000	1,700	(1)	1,900	3.400	1,300	300	(1)
EDUCATIONAL INSTS	1,000	(1)	200	(1)	(1)	500	300	(1)	(1)
NONPROFIT ORGS	300	(1)	300	(1)	(1)	(1)	(1)	(1)	(1)
FEDERAL GOVT	1,400	300	300	(1)	300	200	200	(1)	(1)
STATE/LOCAL GOVT	3,300	300	1,100	(1)	300	600	600	300	300
OTHER	1,600	300	800	300	300	(1)	(1)	(1)	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)

(1) TOO FEW CASES TO REPORT.

NOTE: DETAIL MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-10. NUMBER OF 1980 SCIENCE/ENGINEERING MASTER'S DEGREE RECIPIENTS BY FIELD OF DEGREE, SEX, AND GRADUATE SCHOOL STATUS: 1982

FIELD OF DEGREE AND SEX	TOTAL	GRADUATE SCHOOL STATUS			
		FULL TIME	PART TIME	NONSTUDENT	OTHER AND NO REPORT
TOTAL, ALL FIELDS	41,500	8,600	4,500	27,900	400
MEN	29,700	6,100	3,200	20,100	300
WOMEN	11,800	2,500	1,300	7,800	100
PHYSICAL SCIENCES	2,900	900	300	1,700	(1)
MEN	2,300	800	300	1,200	(1)
WOMEN	600	100	(1)	500	(1)
CHEMISTRY	1,500	400	200	900	(1)
MEN	1,000	300	200	500	(1)
WOMEN	500	100	(1)	400	(1)
PHYSICS/ASTRONOMY	1,200	500	100	600	(1)
MEN	1,100	500	100	600	(1)
WOMEN	100	(1)	(1)	(1)	(1)
OTHER PHYS SCIENCES	300	(1)	100	200	(1)
MEN	200	(1)	100	100	(1)
WOMEN	100	(1)	(1)	100	(1)
MATH/STATISTICS	2,700	400	200	2,000	(1)
MEN	1,900	300	200	1,500	(1)
WOMEN	800	100	100	500	(1)
COMPUTER SCIENCE	3,700	500	300	2,900	(1)
MEN	3,100	500	200	2,400	(1)
WOMEN	600	(1)	(1)	600	(1)
ENVIRON SCIENCE	1,500	400	100	1,000	(1)
MEN	1,100	300	100	700	(1)
WOMEN	400	100	(1)	300	(1)
ENGINEERING	11,700	1,500	1,300	8,700	100
MEN	10,600	1,400	1,100	8,000	100
WOMEN	1,000	100	200	700	(1)
AERO/ASTRO	300	200	(1)	200	(1)
MEN	300	200	(1)	200	(1)
WOMEN	(1)	(1)	(1)	(1)	(1)
CHEMICAL	1,000	200	100	600	(1)
MEN	800	200	100	500	(1)
WOMEN	100	(1)	(1)	100	(1)
CIVIL	1,600	100	100	1,500	(1)
MEN	1,400	100	100	1,300	(1)
WOMEN	200	(1)	(1)	100	(1)

TABLE B-10. NUMBER OF 1980 SCIENCE/ENGINEERING MASTER'S DEGREE RECIPIENTS BY FIELD OF DEGREE,
(CONTINUED) SEX, AND GRADUATE SCHOOL STATUS: 1982

FIELD OF DEGREE AND SEX	TOTAL	GRADUATE SCHOOL STATUS			
		FULL TIME	PART TIME	NONSTUDENT	OTHER AND NO REPORT
ELECT/ELECTRON	3,000	400	300	2,300	(1)
MEN	2,900	400	300	2,200	(1)
WOMEN	100	(1)	(1)	100	(1)
INDUSTRIAL	600	100	100	300	100
MEN	400	(1)	100	200	100
WOMEN	200	(1)	100	100	(1)
MATERIALS	400	100	100	200	(1)
MEN	300	100	100	200	(1)
WOMEN	100	(1)	(1)	(1)	(1)
MECHANICAL	1,700	100	200	1,400	(1)
MEN	1,600	100	200	1,300	(1)
WOMEN	100	(1)	(1)	100	(1)
MINING	200	100	(1)	100	(1)
MEN	200	100	(1)	100	(1)
WOMEN	(1)	(1)	(1)	(1)	(1)
NUCLEAR	300	(1)	(1)	200	(1)
MEN	200	(1)	(1)	200	(1)
WOMEN	(1)	(1)	(1)	(1)	(1)
PETROLEUM	100	(1)	(1)	100	(1)
MEN	100	(1)	(1)	100	(1)
WOMEN	(1)	(1)	(1)	(1)	(1)
OTHER ENGINEERING	2,700	200	400	1,900	(1)
MEN	2,400	200	300	1,800	(1)
WOMEN	200	(1)	100	100	(1)
LIFE SCIENCES	8,300	2,800	600	4,700	100
MEN	5,100	1,800	300	3,000	(1)
WOMEN	3,200	1,000	400	1,800	100
BIOLOGY	5,700	2,100	400	3,100	100
MEN	3,200	1,300	100	1,800	(1)
WOMEN	2,500	900	300	1,300	(1)
AGR SCIENCE	2,500	700	200	1,600	(1)
MEN	1,900	600	100	1,200	(1)
WOMEN	700	100	100	400	(1)

TABLE B-10. NUMBER OF 1980 SCIENCE/ENGINEERING MASTER'S DEGREE RECIPIENTS BY FIELD OF DEGREE, SEX, AND GRADUATE SCHOOL STATUS: 1982
(CONTINUED)

FIELD OF DEGREE AND SEX	TOTAL	GRADUATE SCHOOL STATUS			
		FULL TIME	PART TIME	NONSTUDENT	OTHER AND NO REPORT
PSYCHOLOGY	4,000	700	600	2,600	(1)
MEN	1,700	200	400	1,100	(1)
WOMEN	2,300	500	300	1,500	(1)
SOCIAL SCIENCES	6,700	1,400	1,000	4,100	100
MEN	3,800	800	700	2,200	100
WOMEN	2,900	600	300	1,900	100
ECONOMICS	2,100	500	400	1,200	100
MEN	1,600	400	300	800	100
WOMEN	500	100	(1)	400	(1)
SOCIO/ANTHRO	1,600	600	100	800	(1)
MEN	500	300	100	200	(1)
WOMEN	1,100	400	100	600	(1)
OTHER SOC SCIENCES	3,000	400	500	2,100	100
MEN	1,700	200	300	1,200	(1)
WOMEN	1,300	200	200	900	100

(1) TOO FEW CASES TO REPORT.

NOTE: DETAIL MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-11. NUMBER OF 1980 SCIENCE/ENGINEERING MASTER'S DEGREE RECIPIENTS BY FIELD OF DEGREE, LABOR FORCE STATUS, AND SEX: 1982

FIELD OF DEGREE	TOTAL			LABOR FORCE			UNEMPLOYED			OUTSIDE LABOR FORCE		
	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN
TOTAL, ALL FIELDS	41,500	29,700	11,800	36,800	26,200	10,600	1,200	600	500	4,700	3,500	1,200
PHYSICAL SCIENCES	2,900	2,300	600	2,500	2,000	600	100	(1)	(1)	400	300	100
CHEMISTRY	1,500	1,000	500	1,200	800	400	(1)	(1)	(1)	300	200	100
PHYSICS/ASTRONOMY	1,200	1,100	100	1,000	1,000	100	(1)	(1)	(1)	100	100	(1)
OTHER PHYS SCIENCES	300	200	100	300	200	100	(1)	(1)	(1)	(1)	(1)	(1)
MATH/STATISTICS	2,700	1,900	800	2,500	1,800	700	100	100	(1)	200	100	100
COMPUTER SCIENCE	3,700	3,100	600	3,400	2,800	600	(1)	(1)	(1)	300	300	(1)
ENVIRON SCIENCE	1,500	1,100	400	1,300	1,000	400	(1)	(1)	(1)	200	100	(1)
ENGINEERING	11,700	10,600	1,000	10,900	10,000	900	400	300	(1)	700	600	100
AERO/ASTRO	300	300	(1)	200	200	(1)	(1)	(1)	(1)	100	100	(1)
CHEMICAL	1,000	800	100	800	700	100	100	100	(1)	100	100	(1)
CIVIL	1,600	1,400	200	1,600	1,400	100	100	100	(1)	100	(1)	(1)
ELECT/ELECTRON	3,000	2,900	100	2,900	2,800	100	(1)	(1)	(1)	100	100	(1)
INDUSTRIAL	600	400	200	600	400	200	(1)	(1)	(1)	(1)	(1)	(1)
MATERIALS	400	300	100	300	300	(1)	(1)	(1)	(1)	100	(1)	(1)
MECHANICAL	1,700	1,600	100	1,600	1,500	100	(1)	(1)	(1)	100	100	(1)
MINING	200	200	(1)	100	100	(1)	(1)	(1)	(1)	100	100	(1)
NUCLEAR	300	200	(1)	200	200	(1)	(1)	(1)	(1)	(1)	(1)	(1)
PETROLEUM	100	100	(1)	100	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)
OTHER ENGINEERING	2,700	2,400	200	2,500	2,300	200	100	100	(1)	100	100	(1)
LIFE SCIENCES	8,300	5,100	3,200	6,700	3,900	2,800	100	100	(1)	1,600	1,200	400
BIOLOGY	5,700	3,200	2,500	4,500	2,300	2,200	100	100	(1)	1,200	900	400
AGR SCIENCE	2,500	1,900	700	2,200	1,600	600	(1)	(1)	(1)	400	300	(1)
PSYCHOLOGY	4,000	1,700	2,300	3,700	1,600	2,100	200	(1)	200	300	200	200
SOCIAL SCIENCES	6,700	3,800	2,900	5,800	3,200	2,500	200	(1)	200	900	600	300
ECONOMICS	2,100	1,600	500	1,800	1,400	400	100	(1)	100	300	300	100
SOCIO/ANTHRO	1,600	500	1,100	1,200	300	900	100	(1)	100	400	300	100
OTHER SOC SCIENCES	3,000	1,700	1,300	2,800	1,600	1,200	(1)	(1)	(1)	200	100	100

(1) TOO FEW CASES TO REPORT.

NOTE: DETAIL MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-12. NUMBER OF 1980 SCIENCE/ENGINEERING MASTER'S-DEGREE RECIPIENTS BY FIELD OF DEGREE, LABOR FORCE STATUS, AND RACE: 1982

FIELD OF DEGREE	TOTAL POPULATION						LABOR FORCE					
	TOTAL	WHITE	BLACK	ASIAN	OTHER	NO REPORT	TOTAL	WHITE	BLACK	ASIAN	OTHER	NO REPORT
TOTAL, ALL FIELDS	41,500	36,700	1,200	2,200	900	400	36,800	32,800	1,100	1,900	700	300
PHYSICAL SCIENCES	2,900	2,600	100	100	100	(1)	2,500	2,300	100	100	100	(1)
CHEMISTRY	1,500	1,300	100	100	(1)	(1)	1,200	1,100	100	100	(1)	(1)
PHYSICS/ASTRONOMY	1,200	1,100	(1)	(1)	(1)	(1)	1,000	1,000	(1)	(1)	(1)	(1)
OTHER PHYS SCIENCES	300	300	(1)	(1)	(1)	(1)	300	300	(1)	(1)	(1)	(1)
MATH/STATISTICS	2,700	2,300	100	300	(1)	(1)	2,500	2,100	100	200	(1)	(1)
COMPUTER SCIENCE	3,700	3,300	100	300	100	(1)	3,400	3,000	100	200	100	(1)
ENVIRON SCIENCE	1,500	1,400	(1)	(1)	(1)	(1)	1,300	1,300	(1)	(1)	(1)	(1)
ENGINEERING	11,700	9,900	200	1,200	300	100	10,900	9,300	100	1,100	300	100
AERO/ASTRO	300	200	(1)	100	(1)	(1)	200	100	(1)	100	(1)	(1)
CHEMICAL	1,000	700	(1)	200	(1)	(1)	800	600	(1)	200	(1)	(1)
CIVIL	1,600	1,400	(1)	100	100	(1)	1,600	1,300	(1)	100	100	(1)
ELECT/ELECTRON	3,000	2,500	100	300	(1)	(1)	2,900	2,400	100	300	(1)	(1)
INDUSTRIAL	600	500	(1)	(1)	100	(1)	600	500	(1)	(1)	100	(1)
MATERIALS	400	300	(1)	100	(1)	(1)	300	300	(1)	(1)	(1)	(1)
MECHANICAL	1,700	1,400	(1)	200	(1)	(1)	1,600	1,400	(1)	200	(1)	(1)
MINING	200	200	(1)	(1)	(1)	(1)	100	100	(1)	(1)	(1)	(1)
NUCLEAR	300	200	(1)	(1)	(1)	(1)	200	200	(1)	(1)	(1)	(1)
PETROLEUM	100	(1)	(1)	(1)	(1)	(1)	100	(1)	(1)	(1)	(1)	(1)
OTHER ENGINEERING	2,700	2,500	(1)	100	(1)	(1)	2,500	2,400	(1)	100	(1)	(1)
LIFE SCIENCES	8,300	7,700	200	100	200	100	6,700	6,300	100	100	100	(1)
BIOLOGY	5,700	5,300	200	(1)	200	100	4,500	4,200	100	(1)	100	(1)
AGR SCIENCE	2,500	2,500	(1)	100	(1)	(1)	2,200	2,100	(1)	(1)	(1)	(1)
PSYCHOLOGY	4,000	3,600	300	(1)	100	(1)	3,700	3,300	200	(1)	100	(1)
SOCIAL SCIENCES	6,700	5,800	400	200	200	100	5,800	5,100	400	200	100	(1)
ECONOMICS	2,100	1,800	100	100	100	100	1,800	1,600	(1)	(1)	100	(1)
SOCIO/ANTHRO	1,600	1,400	100	100	100	(1)	1,200	1,100	100	100	(1)	(1)
OTHER SOC SCIENCES	3,000	2,600	300	100	(1)	(1)	2,800	2,400	300	100	(1)	(1)

TABLE B-12. NUMBER OF 1980 SCIENCE/ENGINEERING MASTER'S-DEGREE RECIPIENTS BY FIELD OF DEGREE, LABOR FORCE STATUS, AND RACE: 1982 (CONTINUED)

FIELD OF DEGREE	UNEMPLOYED/SEEKING EMPLOYMENT						OUTSIDE THE LABOR FORCE					
	TOTAL	WHITE	BLACK	ASIAN	OTHER	NO REPORT	TOTAL	WHITE	BLACK	ASIAN	OTHER	NO REPORT
TOTAL, ALL FIELDS	1,200	900	(1)	100	100	(1)	4,700	3,900	200	300	200	200
PHYSICAL SCIENCES	100	100	(1)	(1)	(1)	(1)	400	300	(1)	100	(1)	(1)
CHEMISTRY	(1)	(1)	(1)	(1)	(1)	(1)	300	200	(1)	(1)	(1)	(1)
PHYSICS/ASTRONOMY	(1)	(1)	(1)	(1)	(1)	(1)	100	100	(1)	(1)	(1)	(1)
OTHER PHYS SCIENCES	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
MATH/STATISTICS	100	100	(1)	(1)	(1)	(1)	200	200	(1)	(1)	(1)	(1)
COMPUTER SCIENCE	(1)	(1)	(1)	(1)	(1)	(1)	300	300	(1)	(1)	(1)	(1)
ENVIRON SCIENCE	(1)	(1)	(1)	(1)	(1)	(1)	200	200	(1)	(1)	(1)	(1)
ENGINEERING	400	200	(1)	100	100	(1)	700	600	(1)	100	(1)	(1)
AERO/ASTRO	(1)	(1)	(1)	(1)	(1)	(1)	100	100	(1)	(1)	(1)	(1)
CHEMICAL	100	(1)	(1)	100	(1)	(1)	100	100	(1)	(1)	(1)	(1)
CIVIL	100	(1)	(1)	(1)	100	(1)	100	100	(1)	(1)	(1)	(1)
ELECT/ELECTRON	(1)	(1)	(1)	(1)	(1)	(1)	100	100	(1)	(1)	(1)	(1)
INDUSTRIAL	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
MATERIALS	(1)	(1)	(1)	(1)	(1)	(1)	100	(1)	(1)	(1)	(1)	(1)
MECHANICAL	(1)	(1)	(1)	(1)	(1)	(1)	100	(1)	(1)	(1)	(1)	(1)
MINING	(1)	(1)	(1)	(1)	(1)	(1)	100	100	(1)	(1)	(1)	(1)
NUCLEAR	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
PETROLEUM	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
OTHER ENGINEERING	100	100	(1)	(1)	(1)	(1)	100	100	(1)	(1)	(1)	(1)
LIFE SCIENCES	100	100	(1)	(1)	(1)	(1)	1,600	1,400	100	(1)	100	(1)
BIOLOGY	100	100	(1)	(1)	(1)	(1)	1,200	1,100	100	(1)	100	(1)
AGR SCIENCE	(1)	(1)	(1)	(1)	(1)	(1)	400	300	(1)	(1)	(1)	(1)
PSYCHOLOGY	200	200	(1)	(1)	(1)	(1)	300	300	(1)	(1)	(1)	(1)
SOCIAL SCIENCES	200	200	(1)	(1)	(1)	(1)	900	700	(1)	100	100	100
ECONOMICS	100	100	(1)	(1)	(1)	(1)	300	200	(1)	100	(1)	100
SOCIO/ANTHRO	100	100	(1)	(1)	(1)	(1)	400	300	(1)	(1)	100	(1)
OTHER SOC SCIENCES	(1)	(1)	(1)	(1)	(1)	(1)	200	200	(1)	(1)	(1)	(1)

(1) TOO FEW CASES TO REPORT.

NOTE: DETAIL MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-13. NUMBER OF 1980 SCIENCE/ENGINEERING MASTER'S-DEGREE RECIPIENTS BY FIELD OF DEGREE, EMPLOYMENT STATUS, AND SEX: 1982

(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE	TOTAL			LABOR FORCE			TOTAL EMPLOYED			EMPLOYED IN SCI/ENG		
	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN
TOTAL, ALL FIELDS	32,900	23,600	9,300	31,900	22,900	8,900	31,100	22,500	8,500	23,200	17,700	5,500
PHYSICAL SCIENCES	2,000	1,500	500	1,900	1,400	500	1,900	1,400	500	1,200	1,000	200
CHEMISTRY	1,100	700	400	1,100	600	400	1,000	600	400	600	500	200
PHYSICS/ASTRONOMY	700	600	(1)	600	600	(1)	600	600	(1)	400	400	(1)
OTHER PHYS SCIENCES	300	200	100	300	200	100	300	200	100	100	100	(1)
MATH/STATISTICS	2,300	1,600	600	2,200	1,600	600	2,200	1,600	600	1,800	1,300	500
COMPUTER SCIENCE	3,200	2,600	600	3,200	2,600	600	3,200	2,600	600	2,900	2,300	600
ENVIRON SCIENCE	1,100	800	300	1,100	800	300	1,000	800	300	1,000	700	300
ENGINEERING	10,200	9,300	900	10,000	9,100	900	9,800	8,900	800	8,600	7,900	700
AERO/ASTRO	200	200	(1)	200	200	(1)	200	200	(1)	100	100	(1)
CHEMICAL	800	700	100	700	600	100	700	600	100	600	500	100
CIVIL	1,500	1,400	100	1,500	1,300	100	1,400	1,300	100	1,200	1,200	100
ELECT/ELECTRON	2,500	2,400	100	2,500	2,400	100	2,500	2,400	100	2,300	2,200	100
INDUSTRIAL	500	300	100	500	300	100	500	300	100	300	200	100
MATERIALS	300	300	(1)	300	300	(1)	300	300	(1)	300	300	(1)
MECHANICAL	1,600	1,400	100	1,500	1,400	100	1,500	1,400	100	1,300	1,200	100
MINING	100	100	(1)	100	100	(1)	100	100	(1)	100	100	(1)
NUCLEAR	200	200	(1)	200	200	(1)	200	200	(1)	200	200	(1)
PETROLEUM	100	100	(1)	100	100	(1)	100	100	(1)	100	100	(1)
OTHER ENGINEERING	2,400	2,200	200	2,400	2,100	200	2,300	2,100	200	2,100	1,900	200
LIFE SCIENCES	5,500	3,300	2,200	5,300	3,100	2,200	5,200	3,000	2,200	3,900	2,300	1,600
BIOLOGY	3,600	1,900	1,700	3,400	1,800	1,600	3,400	1,700	1,600	2,200	1,100	1,100
AGR SCIENCE	1,900	1,300	600	1,900	1,300	600	1,900	1,300	600	1,700	1,200	500
PSYCHOLOGY	3,300	1,500	1,800	3,200	1,500	1,800	3,000	1,400	1,600	1,400	700	700
SOCIAL SCIENCES	5,200	3,000	2,200	4,900	2,800	2,100	4,800	2,800	1,900	2,600	1,600	1,000
ECONOMICS	1,600	1,300	400	1,500	1,200	300	1,400	1,200	200	800	700	100
SOCIO/ANTHRO	1,000	300	700	900	300	600	900	300	600	400	100	300
OTHER SOC SCIENCES	2,600	1,500	1,100	2,500	1,400	1,100	2,500	1,400	1,100	1,400	800	600

(1) TOO FEW CASES TO REPORT.

NOTE: DETAIL MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-14. NUMBER OF 1980 SCIENCE/ENGINEERING MASTER'S-DEGREE RECIPIENTS BY FIELD OF DEGREE, SEX, AND TYPE OF EMPLOYER: 1982

(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND SEX	TOTAL EMPLOYED	TYPE OF EMPLOYER						
		BUSINESS/ INDUSTRY	EDUCATIONAL INSTITUTIONS	NONPROFIT ORGS	FEDERAL GOVERNMENT	STATE/LOCAL GOVERNMENTS	OTHER	NO REPORT
TOTAL, ALL FIELDS	31,100	17,300	5,400	1,400	2,100	2,400	2,400	100
MEN	22,500	13,400	3,200	1,100	1,400	1,400	1,800	100
WOMEN	8,500	3,900	2,100	300	600	1,000	600	(1)
PHYSICAL SCIENCES	1,900	1,200	500	(1)	100	(1)	100	(1)
MEN	1,400	900	300	(1)	(1)	(1)	100	(1)
WOMEN	500	300	100	(1)	(1)	(1)	(1)	(1)
CHEMISTRY	1,000	700	200	(1)	(1)	(1)	100	(1)
MEN	600	400	100	(1)	(1)	(1)	100	(1)
WOMEN	400	300	100	(1)	(1)	(1)	(1)	(1)
PHYSICS/ASTRONOMY	600	400	200	(1)	(1)	(1)	(1)	(1)
MEN	600	300	200	(1)	(1)	(1)	(1)	(1)
WOMEN	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
OTHER PHYS SCIENCES	300	100	100	(1)	(1)	(1)	(1)	(1)
MEN	200	100	(1)	(1)	(1)	(1)	(1)	(1)
WOMEN	100	(1)	100	(1)	(1)	(1)	(1)	(1)
MATH/STATISTICS	2,200	1,000	600	(1)	200	100	300	(1)
MEN	1,600	600	400	(1)	200	100	300	(1)
WOMEN	600	400	200	(1)	(1)	(1)	(1)	(1)
COMPUTER SCIENCE	3,200	2,500	400	(1)	100	100	100	(1)
MEN	2,600	2,000	300	(1)	100	100	100	(1)
WOMEN	600	500	(1)	(1)	100	(1)	(1)	(1)
ENVIRON SCIENCE	1,000	700	100	(1)	100	(1)	100	(1)
MEN	800	500	100	(1)	100	(1)	100	(1)
WOMEN	300	200	(1)	(1)	(1)	(1)	(1)	(1)
ENGINEERING	9,800	7,300	500	400	600	400	500	(1)
MEN	8,900	6,600	500	300	500	400	500	(1)
WOMEN	800	600	(1)	100	100	(1)	(1)	(1)
AERO/ASTRO	200	100	(1)	(1)	(1)	(1)	100	(1)
MEN	200	100	(1)	(1)	(1)	(1)	100	(1)
WOMEN	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
CHEMICAL	700	600	(1)	(1)	(1)	(1)	(1)	(1)
MEN	600	500	(1)	(1)	(1)	(1)	(1)	(1)
WOMEN	100	100	(1)	(1)	(1)	(1)	(1)	(1)
CIVIL	1,400	800	100	(1)	100	100	200	(1)
MEN	1,300	800	100	(1)	100	100	200	(1)
WOMEN	100	100	(1)	(1)	(1)	(1)	(1)	(1)

TABLE B-14. NUMBER OF 1980 SCIENCE/ENGINEERING MASTER'S-DEGREE RECIPIENTS BY FIELD OF DEGREE, SEX, AND TYPE OF EMPLOYER: 1982
(CONTINUED)
(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND SEX	TOTAL EMPLOYED	TYPE OF EMPLOYER						
		BUSINESS/ INDUSTRY	EDUCATIONAL INSTITUTIONS	NONPROFIT ORGS	FEDERAL GOVERNMENT	STATE/LOCAL GOVERNMENTS	OTHER	NO REPORT
ELECT/ELECTRON	2,500	2,100	(1)	100	100	(1)	(1)	(1)
MEN	2,400	2,000	(1)	100	100	(1)	(1)	(1)
WOMEN	100	100	(1)	(1)	(1)	(1)	(1)	(1)
INDUSTRIAL	500	300	100	(1)	(1)	(1)	(1)	(1)
MEN	300	200	100	(1)	(1)	(1)	(1)	(1)
WOMEN	100	100	(1)	(1)	(1)	(1)	(1)	(1)
MATERIALS	300	200	100	(1)	(1)	(1)	(1)	(1)
MEN	300	200	100	(1)	(1)	(1)	(1)	(1)
WOMEN	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
MECHANICAL	1,500	1,200	(1)	(1)	100	(1)	(1)	(1)
MEN	1,400	1,200	(1)	(1)	100	(1)	(1)	(1)
WOMEN	100	100	(1)	(1)	(1)	(1)	(1)	(1)
MINING	100	100	(1)	(1)	(1)	(1)	(1)	(1)
MEN	100	100	(1)	(1)	(1)	(1)	(1)	(1)
WOMEN	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
NUCLEAR	200	100	(1)	(1)	(1)	(1)	(1)	(1)
MEN	200	100	(1)	(1)	(1)	(1)	(1)	(1)
WOMEN	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
PETROLEUM	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)
MEN	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)
WOMEN	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
OTHER ENGINEERING	2,300	1,500	200	100	200	200	100	(1)
MEN	2,100	1,400	200	100	100	200	100	(1)
WOMEN	200	100	(1)	(1)	100	(1)	(1)	(1)
LIFE SCIENCES	5,200	2,000	1,400	(1)	700	600	600	(1)
MEN	3,000	1,300	700	(1)	400	400	300	(1)
WOMEN	2,200	700	700	(1)	300	200	300	(1)
BIOLOGY	3,400	1,000	1,100	(1)	300	400	500	(1)
MEN	1,700	600	600	(1)	100	200	300	(1)
WOMEN	1,600	400	600	(1)	200	200	300	(1)
AGR SCIENCE	1,900	1,000	300	(1)	400	200	100	(1)
MEN	1,300	700	200	(1)	200	200	(1)	(1)
WOMEN	600	300	100	(1)	100	(1)	(1)	(1)

TABLE B-14. NUMBER OF 1980 SCIENCE/ENGINEERING MASTER'S-DEGREE RECIPIENTS BY FIELD OF DEGREE, SEX, AND TYPE OF EMPLOYER: 1982
(CONTINUED)
(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND SEX	TOTAL EMPLOYED	TYPE OF EMPLOYER						
		BUSINESS/ INDUSTRY	EDUCATIONAL INSTITUTIONS	NONPROFIT ORGS	FEDERAL GOVERNMENT	STATE/LOCAL GOVERNMENTS	OTHER	NO REPORT
PSYCHOLOGY	3,000	700	1,200	300	100	300	400	(1)
MEN	1,400	400	500	100	(1)	100	200	(1)
WOMEN	1,600	300	700	100	(1)	200	200	(1)
SOCIAL SCIENCES	4,800	1,900	700	700	200	1,000	300	(1)
MEN	2,800	1,100	300	600	200	400	200	(1)
WOMEN	1,900	800	400	100	(1)	500	100	(1)
ECONOMICS	1,400	900	100	300	100	100	(1)	(1)
MEN	1,200	700	100	200	100	100	(1)	(1)
WOMEN	200	200	(1)	(1)	(1)	(1)	(1)	(1)
SOCIO/ANTHRO	900	400	(1)	100	(1)	300	100	(1)
MEN	300	100	(1)	100	(1)	100	(1)	(1)
WOMEN	600	300	(1)	(1)	(1)	200	100	(1)
OTHER SOC SCIENCES	2,500	600	600	300	200	600	200	(1)
MEN	1,400	300	200	300	100	200	200	(1)
WOMEN	1,100	300	300	(1)	(1)	300	(1)	(1)

(1) TOO FEW CASES TO REPORT.

NOTE: DETAIL MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-15. NUMBER OF 1980 SCIENCE/ENGINEERING MASTER'S-DEGREE RECIPIENTS BY FIELD OF DEGREE, SEX, AND PRIMARY WORK ACTIVITY: 1982

(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND SEX	TOTAL EMPLOYED	PRIMARY WORK ACTIVITY							
		R & D	MANAGEMENT/ ADMIN	TEACHING	PRODUCTION/ INSPECTION	RPT/STAT/ COMPUTING ACTIVITIES	SALES/ PROF SERV	OTHER	NO REPORT
TOTAL, ALL FIELDS	31,100	11,400	5,300	3,400	2,700	3,600	2,000	2,400	500
MEN	22,500	8,900	3,800	2,000	2,300	2,500	1,100	1,700	200
WOMEN	8,500	2,500	1,500	1,300	300	1,100	800	700	300
PHYSICAL SCIENCES	1,900	1,000	100	300	300	100	100	(1)	(1)
MEN	1,400	800	100	200	200	100	(1)	(1)	(1)
WOMEN	500	200	(1)	100	100	(1)	(1)	(1)	(1)
CHEMISTRY	1,000	600	100	(1)	300	(1)	(1)	(1)	(1)
MEN	600	300	100	(1)	100	(1)	(1)	(1)	(1)
WOMEN	400	200	(1)	(1)	100	(1)	(1)	(1)	(1)
PHYSICS/ASTRONOMY	600	300	(1)	100	(1)	(1)	(1)	(1)	(1)
MEN	600	300	(1)	100	(1)	(1)	(1)	(1)	(1)
WOMEN	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
OTHER PHYS SCIENCES	300	100	(1)	100	(1)	(1)	(1)	(1)	(1)
MEN	200	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)
WOMEN	100	(1)	(1)	100	(1)	(1)	(1)	(1)	(1)
MATH/STATISTICS	2,200	600	300	500	100	700	(1)	(1)	(1)
MEN	1,600	500	300	200	100	400	(1)	(1)	(1)
WOMEN	600	100	100	200	(1)	300	(1)	(1)	(1)
COMPUTER SCIENCE	3,200	1,200	400	100	200	1,000	100	100	100
MEN	2,600	900	300	100	100	800	100	100	100
WOMEN	600	200	100	(1)	(1)	200	(1)	(1)	(1)
ENVIRON SCIENCE	1,000	700	(1)	100	100	100	(1)	100	(1)
MEN	800	500	(1)	(1)	100	100	(1)	100	(1)
WOMEN	300	200	(1)	(1)	(1)	(1)	(1)	(1)	(1)
ENGINEERING	9,800	5,200	1,600	300	1,000	700	100	900	100
MEN	8,900	4,600	1,600	300	1,000	600	100	800	100
WOMEN	800	600	(1)	(1)	100	100	(1)	100	(1)
AERO/ASTRO	200	(1)	(1)	(1)	(1)	(1)	(1)	100	(1)
MEN	200	(1)	(1)	(1)	(1)	(1)	(1)	100	(1)
WOMEN	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
CHEMICAL	700	500	(1)	(1)	100	(1)	(1)	(1)	(1)
MEN	600	400	(1)	(1)	100	(1)	(1)	(1)	(1)
WOMEN	100	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)
CIVIL	1,400	400	500	(1)	100	100	(1)	300	(1)
MEN	1,300	400	400	(1)	100	100	(1)	200	(1)
WOMEN	100	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)

TABLE B-15. NUMBER OF 1980 SCIENCE/ENGINEERING MASTER'S-DEGREE RECIPIENTS BY FIELD OF DEGREE,
(CONTINUED) SEX, AND PRIMARY WORK ACTIVITY: 1982
(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND SEX	TOTAL EMPLOYED	PRIMARY WORK ACTIVITY							
		R & D	MANAGEMENT/ ADMIN	TEACHING	PRODUCTION/ INSPECTION	RPT/STAT/ COMPUTING ACTIVITIES	SALES/ PROF SERV	OTHER	NO REPORT
ELECT/ELECTRON	2,500	1,700	300	(1)	100	300	(1)	(1)	(1)
MEN	2,400	1,700	300	(1)	100	300	(1)	(1)	(1)
WOMEN	100	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)
INDUSTRIAL	500	200	100	(1)	(1)	100	(1)	100	(1)
MEN	300	100	100	(1)	(1)	(1)	(1)	(1)	(1)
WOMEN	100	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)
MATERIALS	300	200	(1)	(1)	(1)	100	(1)	(1)	(1)
MEN	300	200	(1)	(1)	(1)	100	(1)	(1)	(1)
WOMEN	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
MECHANICAL	1,500	900	200	(1)	200	100	(1)	100	(1)
MEN	1,400	900	200	(1)	200	(1)	(1)	100	(1)
WOMEN	100	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)
MINING	100	(1)	(1)	(1)	100	(1)	(1)	(1)	(1)
MEN	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
WOMEN	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
NUCLEAR	200	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)
MEN	200	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)
WOMEN	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
PETROLEUM	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
MEN	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
WOMEN	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
OTHER ENGINEERING	2,300	1,000	500	100	300	(1)	(1)	300	(1)
MEN	2,100	800	500	100	300	(1)	(1)	300	(1)
WOMEN	200	200	(1)	(1)	(1)	(1)	(1)	(1)	(1)
LIFE SCIENCES	5,200	1,900	900	800	500	300	500	400	(1)
MEN	3,000	1,000	600	400	500	200	200	200	(1)
WOMEN	2,200	900	200	400	100	100	300	200	(1)
BIOLOGY	3,400	1,200	300	700	400	100	400	200	(1)
MEN	1,700	500	200	300	300	100	200	100	(1)
WOMEN	1,600	700	100	300	(1)	100	200	100	(1)
AGR SCIENCE	1,900	600	500	100	200	100	100	200	(1)
MEN	1,300	400	500	100	100	100	(1)	100	(1)
WOMEN	600	200	100	(1)	(1)	(1)	(1)	100	(1)

TABLE B-15. NUMBER OF 1980 SCIENCE/ENGINEERING MASTER'S-DEGREE RECIPIENTS BY FIELD OF DEGREE,
(CONTINUED) SEX, AND PRIMARY WORK ACTIVITY: 1982
(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND SEX	TOTAL EMPLOYED	PRIMARY WORK ACTIVITY							
		R & D	MANAGEMENT/ ADMIN	TEACHING	PRODUCTION/ INSPECTION	RPT/STAT/ COMPUTING ACTIVITIES	SALES/ PROF SERV	OTHER	NO REPORT
PSYCHOLOGY	3,000	200	500	700	(1)	300	800	300	200
MEN	1,400	100	300	400	(1)	100	400	100	(1)
WOMEN	1,600	100	200	400	(1)	200	400	200	200
SOCIAL SCIENCES	4,800	700	1,400	700	400	500	400	300	(1)
MEN	2,800	500	600	500	400	300	300	300	(1)
WOMEN	1,900	200	800	300	(1)	300	200	200	(1)
ECONOMICS	1,400	200	100	200	300	300	100	200	(1)
MEN	1,200	200	100	200	300	100	100	200	(1)
WOMEN	200	(1)	(1)	(1)	(1)	200	(1)	(1)	(1)
SOCIO/ANTHRO	900	100	300	200	(1)	100	100	200	(1)
MEN	300	100	(1)	100	(1)	(1)	(1)	100	(1)
WOMEN	600	(1)	300	100	(1)	(1)	100	100	(1)
OTHER SOC SCIENCES	2,500	400	1,000	400	100	200	200	200	(1)
MEN	1,400	300	500	200	100	100	100	100	(1)
WOMEN	1,100	200	500	200	(1)	100	100	100	(1)

(1) TOO FEW CASES TO REPORT.

NOTE: DETAIL MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-16. NUMBER OF 1980 SCIENCF/ENGINEERING MASTER'S-DEGREE RECIPIENTS BY FIELD OF DEGREE, TYPE OF EMPLOYER, AND PRIMARY WORK ACTIVITY: 1982

(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND TYPE OF EMPLOYER	TOTAL EMPLOYED	PRIMARY WORK ACTIVITY							
		R & D	MANAGEMENT/ ADMIN	TEACHING	PRODUCTION/ INSPECTION	RPT/STAT/ COMPUTING ACTIVITIES	SALES/ PROF SERV	OTHER	NO REPORT
TOTAL, ALL FIELDS	31,100	11,400	5,300	3,400	2,700	3,600	2,000	2,400	500
BUSINESS/INDUSTRY	17,300	7,400	2,400	300	2,100	2,400	800	1,600	300
EDUCATIONAL INSTS	5,400	1,500	300	2,600	(1)	400	400	100	(1)
NONPROFIT ORGS	1,400	600	400	(1)	(1)	100	200	100	(1)
FEDERAL GOVT	2,100	1,200	500	(1)	100	200	(1)	100	(1)
STATE/LOCAL GOVT	2,400	500	900	100	200	400	200	200	(1)
OTHER	2,400	200	800	200	200	100	500	300	(1)
NO REPORT	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)	100
PHYSICAL SCIENCES	1,900	1,000	100	300	300	100	100	(1)	(1)
BUSINESS/INDUSTRY	1,200	700	100	(1)	300	(1)	100	(1)	(1)
EDUCATIONAL INSTS	500	200	(1)	300	(1)	(1)	(1)	(1)	(1)
NONPROFIT ORGS	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
FEDERAL GOVT	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
STATE/LOCAL GOVT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
OTHER	100	(1)	100	(1)	(1)	(1)	(1)	(1)	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
MATH/STATISTICS	2,200	600	300	500	100	700	(1)	(1)	(1)
BUSINESS/INDUSTRY	1,000	300	100	(1)	(1)	500	(1)	(1)	(1)
EDUCATIONAL INSTS	600	200	(1)	400	(1)	(1)	(1)	(1)	(1)
NONPROFIT ORGS	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
FEDERAL GOVT	200	100	100	(1)	(1)	(1)	(1)	(1)	(1)
STATE/LOCAL GOVT	100	(1)	(1)	(1)	(1)	100	(1)	(1)	(1)
OTHER	300	(1)	100	(1)	(1)	100	(1)	(1)	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
COMPUTER SCIENCE	3,200	1,200	400	100	200	1,000	100	100	100
BUSINESS/INDUSTRY	2,500	900	400	(1)	100	900	100	100	100
EDUCATIONAL INSTS	400	100	(1)	100	(1)	100	(1)	(1)	(1)
NONPROFIT ORGS	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
FEDERAL GOVT	100	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)
STATE/LOCAL GOVT	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
OTHER	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
ENVIRON SCIENCE	1,000	700	(1)	100	100	100	(1)	100	(1)
BUSINESS/INDUSTRY	700	500	(1)	(1)	(1)	(1)	(1)	(1)	(1)
EDUCATIONAL INSTS	100	(1)	(1)	100	(1)	(1)	(1)	(1)	(1)
NONPROFIT ORGS	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
FEDERAL GOVT	100	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)
STATE/LOCAL GOVT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
OTHER	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)

TABLE B-16. NUMBER OF 1980 SCIENCE/ENGINEERING MASTER'S-DEGREE RECIPIENTS BY FIELD OF DEGREE,
(CONTINUED) TYPE OF EMPLOYER, AND PRIMARY WORK ACTIVITY: 1982
(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND TYPE OF EMPLOYER	TOTAL EMPLOYED	PRIMARY WORK ACTIVITY							
		R & D	MANAGEMENT/ ADMIN	TEACHING	PRODUCTION/ INSPECTION	RPT/STAT/ COMPUTING ACTIVITIES	SALES/ PROF SERV	OTHER	NO REPORT
ENGINEERING	9,800	5,200	1,600	300	1,000	700	100	900	100
BUSINESS/INDUSTRY	7,300	4,100	1,000	100	700	500	100	800	100
EDUCATIONAL INSTS	500	300	(1)	200	(1)	100	(1)	(1)	(1)
NONPROFIT ORGS	400	200	(1)	(1)	(1)	(1)	(1)	100	(1)
FEDERAL GOVT	600	400	200	(1)	(1)	(1)	(1)	(1)	(1)
STATE/LOCAL GOVT	400	100	100	(1)	100	(1)	(1)	(1)	(1)
OTHER	500	(1)	300	(1)	100	(1)	(1)	(1)	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
LIFE SCIENCES	5,200	1,900	900	800	500	300	500	400	(1)
BUSINESS/INDUSTRY	2,000	600	400	(1)	500	100	200	200	(1)
EDUCATIONAL INSTS	1,400	600	100	700	(1)	(1)	(1)	(1)	(1)
NONPROFIT ORGS	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
FEDERAL GOVT	700	300	100	(1)	(1)	(1)	(1)	100	(1)
STATE/LOCAL GOVT	600	200	200	(1)	(1)	100	100	(1)	(1)
OTHER	600	100	(1)	(1)	(1)	(1)	200	100	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
PSYCHOLOGY	3,000	200	500	700	(1)	300	800	300	200
BUSINESS/INDUSTRY	700	100	(1)	100	(1)	100	100	100	100
EDUCATIONAL INSTS	1,200	100	100	500	(1)	100	400	(1)	(1)
NONPROFIT ORGS	300	(1)	200	(1)	(1)	(1)	100	(1)	(1)
FEDERAL GOVT	100	(1)	100	(1)	(1)	(1)	(1)	(1)	(1)
STATE/LOCAL GOVT	300	(1)	(1)	(1)	(1)	(1)	100	100	(1)
OTHER	400	(1)	100	100	(1)	(1)	200	100	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
SOCIAL SCIENCES	4,800	700	1,400	700	400	500	400	600	(1)
BUSINESS/INDUSTRY	1,900	100	400	100	300	300	300	300	(1)
EDUCATIONAL INSTS	700	100	100	400	(1)	(1)	(1)	100	(1)
NONPROFIT ORGS	700	300	300	(1)	(1)	100	100	(1)	(1)
FEDERAL GOVT	200	200	(1)	(1)	(1)	100	(1)	(1)	(1)
STATE/LOCAL GOVT	1,000	100	500	100	(1)	100	(1)	100	(1)
OTHER	300	(1)	100	100	(1)	(1)	(1)	(1)	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)

(1) TOO FEW CASES TO REPORT.

NOTE: DETAIL MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-17. NUMBER OF 1980 SCIENCE/ENGINEERING MASTER'S-DEGREE RECIPIENTS BY FIELD OF DEGREE AND FIELD OF EMPLOYMENT: 1982

(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE	TOTAL EMPLOYED	NON S/E EMPLOYED	SCI/ENG EMPLOYED	S/E FIELD OF EMPLOYMENT					
				CHEMISTRY	PHYSICS/ ASTRONOMY	OTHER PHYSICAL SCIENCES	MATH/ STAT	COMPUTER SCIENCE	ENVIRON SCIENCE
TOTAL, ALL FIELDS	31,100	7,900	23,200	600	300	200	1,300	4,400	1,000
PHYSICAL SCIENCES	1,900	700	1,200	400	200	100	(1)	(1)	(1)
CHEMISTRY	1,000	400	600	400	(1)	(1)	(1)	(1)	(1)
PHYSICS/ASTRONOMY	600	200	400	(1)	200	(1)	(1)	(1)	(1)
OTHER PHYS SCIENCES	300	200	100	(1)	(1)	100	(1)	(1)	(1)
MATH/STATISTICS	2,200	400	1,800	(1)	(1)	(1)	900	700	(1)
COMPUTER SCIENCE	3,200	300	2,900	(1)	(1)	(1)	(1)	2,600	(1)
ENVIRON SCIENCE	1,000	100	1,000	(1)	(1)	(1)	(1)	(1)	800
ENGINEERING	9,800	1,200	8,600	100	(1)	(1)	300	600	100
AERO/ASTRO	200	100	100	(1)	(1)	(1)	(1)	(1)	(1)
CHEMICAL	700	100	600	100	(1)	(1)	(1)	(1)	(1)
CIVIL	1,400	100	1,200	(1)	(1)	(1)	(1)	(1)	(1)
ELECT/ELECTRON	2,500	200	2,300	(1)	(1)	(1)	(1)	300	(1)
INDUSTRIAL	500	200	300	(1)	(1)	(1)	100	100	(1)
MATERIALS	300	(1)	300	(1)	(1)	(1)	(1)	100	(1)
MECHANICAL	1,500	200	1,300	(1)	(1)	(1)	(1)	(1)	(1)
MINING	100	(1)	100	(1)	(1)	(1)	(1)	(1)	(1)
NUCLEAR	200	(1)	200	(1)	(1)	(1)	(1)	(1)	(1)
PETROLEUM	100	(1)	100	(1)	(1)	(1)	(1)	(1)	(1)
OTHER ENGINEERING	2,300	200	2,100	(1)	(1)	(1)	100	200	(1)
LIFE SCIENCES	5,200	1,400	3,900	100	(1)	100	(1)	200	(1)
BIOLOGY	3,400	1,200	2,200	100	(1)	(1)	(1)	100	(1)
AGR SCIENCE	1,900	200	1,700	(1)	(1)	(1)	(1)	100	(1)
PSYCHOLOGY	3,000	1,600	1,400	(1)	(1)	(1)	(1)	200	(1)
SOCIAL SCIENCES	4,800	2,200	2,600	100	(1)	(1)	100	200	(1)
ECONOMICS	1,400	600	800	(1)	(1)	(1)	100	100	(1)
SOCIO/ANTHRO	900	500	400	(1)	(1)	(1)	(1)	100	(1)
OTHER SOC SCIENCES	2,500	1,100	1,400	100	(1)	(1)	100	(1)	(1)

TABLE B-17. NUMBER OF 1980 SCIENCE/ENGINEERING MASTER'S-DEGREE RECIPIENTS BY FIELD OF DEGREE
(CONTINUED) AND FIELD OF EMPLOYMENT: 1982
(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE	S/E FIELD OF EMPLOYMENT						
	ENGINEERING	BIOLOGY	AGRICULTURAL SCIENCE	PSYCHOLOGY	ECONOMICS	SOCIOLOGY/ ANTHROPOLOGY	OTHER SOCIAL SCIENCES
TOTAL, ALL FIELDS	8.600	1,800	1.600	1,100	700	300	1,200
PHYSICAL SCIENCES	300	100	(1)	(1)	(1)	(1)	(1)
CHEMISTRY	100	100	(1)	(1)	(1)	(1)	(1)
PHYSICS/ASTRONOMY	200	(1)	(1)	(1)	(1)	(1)	(1)
OTHER PHYS SCIENCES	(1)	(1)	(1)	(1)	(1)	(1)	(1)
MATH/STATISTICS	100	(1)	(1)	(1)	(1)	(1)	(1)
COMPUTER SCIENCE	300	(1)	(1)	(1)	(1)	(1)	(1)
ENVIRON SCIENCE	(1)	(1)	(1)	(1)	(1)	(1)	(1)
ENGINEERING	7,500	(1)	(1)	(1)	(1)	(1)	(1)
AERO/ASTRO	(1)	(1)	(1)	(1)	(1)	(1)	(1)
CHEMICAL	600	(1)	(1)	(1)	(1)	(1)	(1)
CIVIL	1,200	(1)	(1)	(1)	(1)	(1)	(1)
ELECT/ELECTRON	2.000	(1)	(1)	(1)	(1)	(1)	(1)
INDUSTRIAL	100	(1)	(1)	(1)	(1)	(1)	(1)
MATERIALS	200	(1)	(1)	(1)	(1)	(1)	(1)
MECHANICAL	1.300	(1)	(1)	(1)	(1)	(1)	(1)
MINING	100	(1)	(1)	(1)	(1)	(1)	(1)
NUCLEAR	200	(1)	(1)	(1)	(1)	(1)	(1)
PETROLEUM	100	(1)	(1)	(1)	(1)	(1)	(1)
OTHER ENGINEERING	1,800	(1)	(1)	(1)	(1)	(1)	(1)
LIFE SCIENCES	300	1.600	1.500	(1)	(1)	(1)	(1)
BIOLOGY	200	1.500	200	(1)	(1)	(1)	(1)
AGR SCIENCE	100	100	1.300	(1)	(1)	(1)	(1)
PSYCHOLOGY	(1)	(1)	(1)	1,100	(1)	(1)	(1)
SOCIAL SCIENCES	(1)	(1)	100	(1)	700	300	1,100
ECONOMICS	(1)	(1)	100	(1)	600	(1)	(1)
SOCIO/ANTHRO	(1)	(1)	(1)	(1)	(1)	200	100
OTHER SOC SCIENCES	(1)	(1)	(1)	(1)	100	100	1.000

(1) TOO FEW CASES TO REPORT.

NOTE: DETAIL MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-18. NUMBER OF 1980 SCIENCE/ENGINEERING MASTER'S-DEGREE RECIPIENTS EMPLOYED IN S/E JOBS
BY FIELD OF DEGREE, TYPE OF EMPLOYER, AND PRIMARY WORK ACTIVITY: 1982
(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND TYPE OF EMPLOYER	TOTAL S/E EMPLOYED	PRIMARY WORK ACTIVITY							
		R & D	MANAGEMENT/ ADMIN	TEACHING	PRODUCTION/ INSPECTION	RPT/STAT/ COMPUTING ACTIVITIES	SALES/ PROF SERV	OTHER	NO REPORT
TOTAL, ALL FIELDS	23,200	10,400	3,300	1,900	2,000	3,200	600	1,800	(1)
BUSINESS/INDUSTRY	14,000	6,700	1,700	300	1,600	2,200	200	1,200	(1)
EDUCATIONAL INSTS	3,500	1,500	100	1,400	(1)	300	200	(1)	(1)
NONPROFIT ORGS	1,100	500	200	(1)	(1)	100	100	100	(1)
FEDERAL GOVT	1,800	1,100	300	(1)	100	200	(1)	100	(1)
STATE/LOCAL GOVT	1,600	400	400	(1)	200	300	100	200	(1)
OTHER	1,100	100	500	100	100	100	(1)	100	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
PHYSICAL SCIENCES	1,200	800	100	100	200	(1)	(1)	(1)	(1)
BUSINESS/INDUSTRY	800	500	100	(1)	200	(1)	(1)	(1)	(1)
EDUCATIONAL INSTS	300	200	(1)	100	(1)	(1)	(1)	(1)	(1)
NONPROFIT ORGS	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
FEDERAL GOVT	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
STATE/LOCAL GOVT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
OTHER	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
MATH/STATISTICS	1,800	600	200	200	(1)	600	(1)	(1)	(1)
BUSINESS/INDUSTRY	900	300	100	(1)	(1)	500	(1)	(1)	(1)
EDUCATIONAL INSTS	400	200	(1)	200	(1)	(1)	(1)	(1)	(1)
NONPROFIT ORGS	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
FEDERAL GOVT	200	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)
STATE/LOCAL GOVT	100	(1)	(1)	(1)	(1)	100	(1)	(1)	(1)
OTHER	100	(1)	100	(1)	(1)	(1)	(1)	(1)	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
COMPUTER SCIENCE	2,900	1,200	400	100	100	1,000	(1)	100	(1)
BUSINESS/INDUSTRY	2,300	900	300	(1)	100	800	(1)	100	(1)
EDUCATIONAL INSTS	300	100	(1)	100	(1)	100	(1)	(1)	(1)
NONPROFIT ORGS	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
FEDERAL GOVT	100	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)
STATE/LOCAL GOVT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
OTHER	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
ENVIRON SCIENCE	1,000	700	(1)	(1)	100	100	(1)	100	(1)
BUSINESS/INDUSTRY	700	500	(1)	(1)	(1)	(1)	(1)	(1)	(1)
EDUCATIONAL INSTS	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
NONPROFIT ORGS	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
FEDERAL GOVT	100	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)
STATE/LOCAL GOVT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
OTHER	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)

TABLE B-18. NUMBER OF 1980 SCIENCE/ENGINEERING MASTER'S-DEGREE RECIPIENTS EMPLOYED IN S/E JOBS (CONTINUED) BY FIELD OF DEGREE, TYPE OF EMPLOYER, AND PRIMARY WORK ACTIVITY: 1982

(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND TYPE OF EMPLOYER	TOTAL S/E EMPLOYED	PRIMARY WORK ACTIVITY							
		R & D	MANAGEMENT/ ADMIN	TEACHING	PRODUCTION/ INSPECTION	RPT/STAT/ COMPUTING ACTIVITIES	SALES/ PROF SERV	OTHER	NO REPORT
ENGINEERING	8,600	4,800	1,400	100	900	700	(1)	800	(1)
BUSINESS/INDUSTRY	6,300	3,700	700	(1)	600	500	(1)	700	(1)
EDUCATIONAL INSTS	500	300	(1)	100	(1)	100	(1)	(1)	(1)
NONPROFIT ORGS	300	200	(1)	(1)	(1)	(1)	(1)	100	(1)
FEDERAL GOVT	600	400	200	(1)	(1)	(1)	(1)	(1)	(1)
STATE/LOCAL GOVT	400	100	100	(1)	100	(1)	(1)	(1)	(1)
OTHER	500	(1)	300	(1)	100	(1)	(1)	(1)	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
LIFE SCIENCES	3,900	1,700	600	200	500	200	200	300	(1)
BUSINESS/INDUSTRY	1,700	600	300	(1)	500	100	100	200	(1)
EDUCATIONAL INSTS	800	600	100	200	(1)	(1)	(1)	(1)	(1)
NONPROFIT ORGS	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
FEDERAL GOVT	600	300	100	(1)	(1)	(1)	(1)	100	(1)
STATE/LOCAL GOVT	500	100	100	(1)	(1)	100	100	(1)	(1)
OTHER	200	100	(1)	(1)	(1)	(1)	(1)	100	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
PSYCHOLOGY	1,400	200	200	500	(1)	200	200	100	(1)
BUSINESS/INDUSTRY	400	100	(1)	100	(1)	100	(1)	(1)	(1)
EDUCATIONAL INSTS	600	100	(1)	300	(1)	100	200	(1)	(1)
NONPROFIT ORGS	200	(1)	100	(1)	(1)	(1)	(1)	(1)	(1)
FEDERAL GOVT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
STATE/LOCAL GOVT	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
OTHER	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
SOCIAL SCIENCES	2,600	600	500	500	100	400	100	300	(1)
BUSINESS/INDUSTRY	900	100	100	100	100	200	(1)	200	(1)
EDUCATIONAL INSTS	400	100	(1)	400	(1)	(1)	(1)	(1)	(1)
NONPROFIT ORGS	500	200	100	(1)	(1)	100	100	(1)	(1)
FEDERAL GOVT	200	100	(1)	(1)	(1)	100	(1)	(1)	(1)
STATE/LOCAL GOVT	500	100	200	(1)	(1)	100	(1)	100	(1)
OTHER	100	(1)	100	100	(1)	(1)	(1)	(1)	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)

(1) TOO FEW CASES TO REPORT

NOTE: DETAIL MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-19. NUMBER OF 1981 SCIENCE/ENGINEERING BACHELOR'S-DEGREE RECIPIENTS BY FIELD OF DEGREE, SEX, AND GRADUATE SCHOOL STATUS: 1982

FIELD OF DEGREE AND SEX	TOTAL	GRADUATE SCHOOL STATUS			
		FULL TIME	PART TIME	NONSTUDENT	OTHER AND NO REPORT
TOTAL, ALL FIELDS	280,500	63,600	36,300	176,600	4,100
MEN	180,000	39,700	22,200	115,800	2,300
WOMEN	100,500	23,800	14,100	60,800	1,800
PHYSICAL SCIENCES	16,200	7,700	2,400	6,000	200
MEN	11,800	5,600	1,600	4,500	200
WOMEN	4,400	2,200	700	1,500	(1)
CHEMISTRY	10,900	6,000	1,500	3,300	100
MEN	7,300	4,100	900	2,100	100
WOMEN	3,700	1,900	600	1,200	(1)
PHYSICS/ASTRONOMY	4,000	1,400	600	1,900	(1)
MEN	3,600	1,200	500	1,900	(1)
WOMEN	400	300	100	100	(1)
OTHER PHYS SCIENCES	1,300	300	200	700	(1)
MEN	1,000	300	200	500	(1)
WOMEN	300	(1)	100	200	(1)
MATH/STATISTICS	11,100	1,700	1,500	7,800	100
MEN	7,500	1,300	700	5,300	100
WOMEN	3,600	300	700	2,500	(1)
COMPUTER SCIENCE	14,000	500	2,600	10,700	100
MEN	9,700	300	1,800	7,500	100
WOMEN	4,300	200	800	3,300	(1)
ENVIRON SCIENCE	6,900	2,200	600	3,900	100
MEN	5,000	1,500	300	3,000	100
WOMEN	1,900	700	300	900	(1)
ENGINEERING	62,500	5,300	9,600	47,300	400
MEN	56,500	4,900	8,300	43,000	300
WOMEN	6,000	400	1,300	4,300	(1)
AERO/ASTRO	1,100	200	300	600	(1)
MEN	1,000	200	200	600	(1)
WOMEN	100	(1)	100	(1)	(1)
CHEMICAL	6,900	900	1,300	4,800	100
MEN	5,600	800	800	3,900	100
WOMEN	1,400	100	500	800	(1)
CIVIL	10,300	900	1,300	8,000	200
MEN	9,300	800	1,000	7,300	200
WOMEN	900	(1)	200	700	(1)

TABLE B-19. NUMBER OF 1981 SCIENCE/ENGINEERING BACHELOR'S-DEGREE RECIPIENTS BY FIELD OF DEGREE,
(CONTINUED) SEX, AND GRADUATE SCHOOL STATUS: 1982

FIELD OF DEGREE AND SEX	TOTAL	GRADUATE SCHOOL STATUS			
		FULL TIME	PART TIME	NONSTUDENT	OTHER AND NO REPORT
ELECT/ELECTRON	16,300	1,400	3,500	11,400	(1)
MEN	15,000	1,200	3,300	10,500	(1)
WOMEN	1,300	100	200	900	(1)
INDUSTRIAL	2,900	100	400	2,400	(1)
MEN	2,600	100	300	2,100	(1)
WOMEN	300	(1)	100	300	(1)
MATERIALS	1,100	100	200	800	(1)
MEN	900	100	100	700	(1)
WOMEN	200	(1)	100	100	(1)
MECHANICAL	14,000	700	1,800	11,300	100
MEN	13,000	600	1,700	10,600	100
WOMEN	900	100	100	700	(1)
MINING	1,000	100	100	700	(1)
MEN	900	100	100	600	(1)
WOMEN	100	(1)	(1)	100	(1)
NUCLEAR	500	100	(1)	400	(1)
MEN	500	100	(1)	400	(1)
WOMEN	(1)	(1)	(1)	(1)	(1)
PETROLEUM	800	(1)	100	800	(1)
MEN	800	(1)	(1)	700	(1)
WOMEN	100	(1)	(1)	(1)	(1)
OTHER ENGINEERING	7,800	900	700	6,200	(1)
MEN	7,100	800	600	5,600	(1)
WOMEN	700	100	100	600	(1)
LIFE SCIENCES	62,100	21,100	6,000	33,700	1,400
MEN	34,700	13,300	2,400	18,500	500
WOMEN	27,400	7,800	3,600	15,100	900
BIOLOGY	43,300	18,500	4,600	19,000	1,300
MEN	22,900	11,400	1,600	9,500	400
WOMEN	20,400	7,100	2,900	9,500	900
AGR SCIENCE	18,900	2,600	1,400	14,700	100
MEN	11,900	1,900	800	9,000	100
WOMEN	7,000	700	600	5,600	(1)

TABLE B-19. NUMBER OF 1981 SCIENCE/ENGINEERING BACHELOR'S-DEGREE RECIPIENTS BY FIELD OF DEGREE, (CONTINUED) SEX, AND GRADUATE SCHOOL STATUS: 1982

FIELD OF DEGREE AND SEX	TOTAL	GRADUATE SCHOOL STATUS			
		FULL TIME	PART TIME	NONSTUDENT	OTHER AND NO REPORT
PSYCHOLOGY	37,500	10,100	4,800	22,400	200
MEN	12,700	3,200	1,600	7,800	100
WOMEN	24,800	6,900	3,200	14,600	100
SOCIAL SCIENCES	70,300	14,900	8,900	44,800	1,600
MEN	42,000	9,600	5,400	26,100	900
WOMEN	28,200	5,300	3,600	18,700	700
ECONOMICS	20,900	4,100	2,700	13,800	300
MEN	16,600	3,600	2,300	10,500	300
WOMEN	4,300	600	400	3,400	(1)
SOCIO/ANTHRO	20,900	1,600	3,700	15,100	500
MEN	7,200	400	1,600	5,100	100
WOMEN	13,700	1,200	2,100	10,000	500
OTHER SOC SCIENCES	28,400	9,200	2,500	15,800	800
MEN	18,200	5,600	1,400	10,600	600
WOMEN	10,200	3,600	1,100	5,300	200

(1) TOO FEW CASES TO REPORT.

NOTE: DETAIL MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-20. NUMBER OF 1981 SCIENCE/ENGINEERING BACHELOR'S-DEGREE RECIPIENTS BY FIELD OF DEGREE, LABOR FORCE STATUS, AND SEX: 1982

FIELD OF DEGREE	TOTAL			LABOR FORCE			UNEMPLOYED			OUTSIDE LABOR FORCE		
	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN
TOTAL, ALL FIELDS	280,500	180,000	100,500	245,700	160,600	85,200	18,100	9,900	8,200	34,800	19,400	15,400
PHYSICAL SCIENCES	16,200	11,800	4,400	12,100	8,800	3,300	1,000	800	200	4,100	3,000	1,100
CHEMISTRY	10,900	7,300	3,700	7,700	5,000	2,700	700	500	200	3,300	2,300	1,000
PHYSICS/ASTRONOMY	4,000	3,600	400	3,400	3,000	400	200	200	(1)	600	600	(1)
OTHER PHYS SCIENCES	1,300	1,000	300	1,000	800	300	100	100	(1)	200	200	(1)
MATH/STATISTICS	11,100	7,500	3,600	10,300	7,000	3,300	800	500	300	800	500	300
COMPUTER SCIENCE	14,000	9,700	4,300	13,600	9,500	4,100	400	200	200	300	200	200
ENVIRON SCIENCE	6,900	5,000	1,900	6,000	4,400	1,600	500	400	100	800	500	300
ENGINEERING	62,500	56,500	6,000	59,000	53,500	5,500	1,900	1,700	200	3,500	3,100	500
AERO/ASTRO	1,100	1,000	100	1,000	1,000	100	(1)	(1)	(1)	100	100	(1)
CHEMICAL	6,900	5,600	1,400	6,200	4,900	1,300	300	200	100	800	700	100
CIVIL	10,300	9,300	900	9,800	8,900	900	500	500	(1)	400	400	(1)
ELECT/ELECTRON	16,300	15,000	1,300	15,200	14,200	1,000	300	300	(1)	1,000	800	200
INDUSTRIAL	2,900	2,600	300	2,700	2,400	300	100	100	(1)	200	200	(1)
MATERIALS	1,100	900	200	1,000	800	200	(1)	(1)	(1)	100	100	(1)
MECHANICAL	14,000	13,000	900	13,600	12,700	900	300	200	100	300	300	(1)
MINING	1,000	900	100	900	800	100	(1)	(1)	(1)	100	100	(1)
NUCLEAR	500	500	(1)	400	400	(1)	(1)	(1)	(1)	100	100	(1)
PETROLEUM	800	800	100	800	800	100	(1)	(1)	(1)	(1)	(1)	(1)
OTHER ENGINEERING	7,800	7,100	700	7,300	6,600	700	400	400	(1)	500	400	100
LIFE SCIENCES	62,100	34,700	27,400	50,200	28,400	21,800	4,800	2,100	2,700	12,000	6,400	5,600
BIOLOGY	43,300	22,900	20,400	32,800	17,100	15,600	3,700	1,400	2,300	10,500	5,700	4,800
AGR SCIENCE	18,900	11,900	7,000	17,400	11,200	6,200	1,100	700	400	1,500	600	800
PSYCHOLOGY	37,500	12,700	24,800	32,900	11,700	21,200	3,200	1,100	2,100	4,600	1,000	3,600
SOCIAL SCIENCES	70,300	42,000	28,200	61,600	37,300	24,300	5,500	3,100	2,300	8,700	4,700	3,900
ECONOMICS	20,900	16,600	4,300	17,700	14,200	3,500	1,800	1,600	200	3,200	2,400	800
SOCIO/ANTHRO	20,900	7,200	13,700	20,200	6,800	13,400	1,600	300	1,300	700	400	300
OTHER SOC SCIENCES	28,400	18,200	10,200	23,600	16,300	7,300	2,100	1,200	800	4,800	1,900	2,900

(1) TOO FEW CASES TO REPORT.

NOTE: DETAIL MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-21. NUMBER OF 1981 SCIENCE/ENGINEERING BACHELOR'S-DEGREE RECIPIENTS BY FIELD OF DEGREE, LABOR FORCE STATUS, AND RACE: 1982

FIELD OF DEGREE	TOTAL POPULATION						LABOR FORCE					
	TOTAL	WHITE	BLACK	ASIAN	OTHER	NO REPORT	TOTAL	WHITE	BLACK	ASIAN	OTHER	NO REPORT
TOTAL, ALL FIELDS	280,500	249,800	10,700	7,700	8,700	3,600	245,700	218,600	9,600	6,600	7,600	3,300
PHYSICAL SCIENCES	16,200	14,900	600	400	300	100	12,100	11,100	500	200	300	100
CHEMISTRY	10,900	10,200	400	100	200	(1)	7,700	7,100	400	(1)	200	(1)
PHYSICS/ASTRONOMY	4,000	3,400	200	300	100	(1)	3,400	2,900	200	100	100	(1)
OTHER PHYS SCIENCES	1,300	1,300	(1)	(1)	(1)	(1)	1,000	1,000	(1)	(1)	(1)	(1)
MATH/STATISTICS	11,100	9,900	400	300	100	300	10,300	9,200	400	200	100	300
COMPUTER SCIENCE	14,000	12,500	400	800	100	100	13,600	12,300	400	800	100	100
ENVIRON SCIENCE	6,900	6,700	(1)	(1)	100	(1)	6,000	5,900	(1)	(1)	100	(1)
ENGINEERING	62,500	56,700	1,200	2,900	1,200	600	59,000	53,800	1,100	2,400	1,200	400
AERO/ASTRO	1,100	1,000	(1)	100	(1)	(1)	1,000	1,000	(1)	100	(1)	(1)
CHEMICAL	6,900	6,300	100	300	100	100	6,200	5,700	100	300	100	100
CIVIL	10,300	9,400	100	400	300	(1)	9,800	9,000	100	400	300	(1)
ELECT/ELECTRON	16,300	14,000	200	1,500	400	(1)	15,200	13,400	200	1,200	400	(1)
INDUSTRIAL	2,900	2,500	200	(1)	(1)	100	2,700	2,300	200	(1)	(1)	100
MATERIALS	1,100	1,100	(1)	(1)	(1)	(1)	1,000	1,000	(1)	(1)	(1)	(1)
MECHANICAL	14,000	13,000	300	400	200	(1)	13,600	12,700	300	400	200	(1)
MINING	1,000	900	(1)	(1)	(1)	(1)	900	900	(1)	(1)	(1)	(1)
NUCLEAR	500	400	(1)	(1)	(1)	(1)	400	400	(1)	(1)	(1)	(1)
PETROLEUM	800	800	(1)	(1)	(1)	(1)	800	800	(1)	(1)	(1)	(1)
OTHER ENGINEERING	7,800	7,200	100	100	200	300	7,300	6,700	100	100	200	200
LIFE SCIENCES	62,100	56,100	1,200	1,700	2,400	700	50,200	45,000	1,100	1,400	2,000	600
BIOLOGY	43,300	38,100	1,000	1,500	2,200	400	32,800	28,400	1,000	1,200	1,900	300
AGR SCIENCE	18,900	18,000	200	200	200	300	17,400	16,600	200	200	100	300
PSYCHOLOGY	37,500	31,600	3,000	600	1,800	500	32,900	28,300	2,100	500	1,500	500
SOCIAL SCIENCES	70,300	61,300	3,900	1,100	2,600	1,300	61,600	53,100	3,900	1,000	2,300	1,300
ECONOMICS	20,900	19,300	700	300	300	300	17,700	16,100	700	300	300	300
SOCIO/ANTHRO	20,900	17,000	1,800	600	1,100	500	20,200	16,400	1,700	600	1,100	500
OTHER SOC SCIENCES	28,400	25,000	1,500	200	1,300	500	23,600	20,600	1,500	100	1,000	500

TABLE B-21. NUMBER OF 1981 SCIENCE/ENGINEERING BACHELOR'S-DEGREE RECIPIENTS BY FIELD OF DEGREE,
(CONTINUED) LABOR FORCE STATUS, AND RACE: 1982

	UNEMPLOYED/SEEKING EMPLOYMENT						OUTSIDE THE LABOR FORCE					
FIELD OF DEGREE	TOTAL	WHITE	BLACK	ASIAN	OTHER	NO REPORT	TOTAL	WHITE	BLACK	ASIAN	OTHER	NO REPORT
TOTAL, ALL FIELDS	18,100	15,400	1,700	300	600	100	34,800	31,200	1,100	1,100	1,100	200
PHYSICAL SCIENCES	1,000	800	100	(1)	(1)	(1)	4,100	3,800	100	200	(1)	(1)
CHEMISTRY	700	600	100	(1)	(1)	(1)	3,300	3,100	100	100	(1)	(1)
PHYSICS/ASTRONOMY	200	100	(1)	(1)	(1)	(1)	600	500	(1)	100	(1)	(1)
OTHER PHYS SCIENCES	100	100	(1)	(1)	(1)	(1)	200	200	(1)	(1)	(1)	(1)
MATH/STATISTICS	800	700	100	(1)	(1)	100	800	800	(1)	(1)	(1)	(1)
COMPUTER SCIENCE	400	300	100	(1)	(1)	(1)	300	300	(1)	100	(1)	(1)
ENVIRON SCIENCE	500	500	(1)	(1)	(1)	(1)	800	800	(1)	(1)	(1)	(1)
ENGINEERING	1,900	1,700	(1)	100	100	(1)	3,500	2,900	(1)	400	(1)	100
AERO/ASTRO	(1)	(1)	(1)	(1)	(1)	(1)	100	100	(1)	(1)	(1)	(1)
CHEMICAL	300	200	(1)	(1)	(1)	(1)	800	600	(1)	100	(1)	100
CIVIL	500	500	(1)	(1)	(1)	(1)	400	400	(1)	(1)	(1)	(1)
ELECT/ELECTRON	300	300	(1)	100	(1)	(1)	1,000	700	(1)	300	(1)	(1)
INDUSTRIAL	100	100	(1)	(1)	(1)	(1)	200	200	(1)	(1)	(1)	(1)
MATERIALS	(1)	(1)	(1)	(1)	(1)	(1)	100	100	(1)	(1)	(1)	(1)
MECHANICAL	300	300	(1)	(1)	100	(1)	300	300	(1)	100	(1)	(1)
MINING	(1)	(1)	(1)	(1)	(1)	(1)	100	(1)	(1)	(1)	(1)	(1)
NUCLEAR	(1)	(1)	(1)	(1)	(1)	(1)	100	100	(1)	(1)	(1)	(1)
PETROLEUM	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
OTHER ENGINEERING	400	400	(1)	(1)	(1)	(1)	500	400	(1)	(1)	(1)	100
LIFE SCIENCES	4,800	4,100	300	100	300	(1)	12,000	11,100	100	200	400	100
BIOLOGY	3,700	3,100	300	100	300	(1)	10,500	9,700	100	200	400	100
AGR SCIENCE	1,100	1,000	(1)	100	(1)	(1)	1,500	1,400	(1)	(1)	100	(1)
PSYCHOLOGY	3,200	2,900	100	(1)	100	(1)	4,600	3,300	800	100	300	(1)
SOCIAL SCIENCES	5,500	4,300	1,100	100	(1)	(1)	8,700	8,200	100	100	300	(1)
ECONOMICS	1,800	1,800	(1)	(1)	(1)	(1)	3,200	3,200	(1)	(1)	(1)	(1)
SOCIO/ANTHRO	1,600	1,100	500	100	(1)	(1)	700	600	100	(1)	(1)	(1)
OTHER SOC SCIENCES	2,100	1,400	600	(1)	(1)	(1)	4,800	4,400	(1)	100	300	(1)

(1) TOO FEW CASES TO REPORT

NOTE: DETAIL MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-22. NUMBER OF 1981 SCIENCE/ENGINEERING BACHELOR'S-DEGREE RECIPIENTS BY FIELD OF DEGREE, EMPLOYMENT STATUS, AND SEX: 1982

(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE	TOTAL			LABOR FORCE			TOTAL EMPLOYED			EMPLOYED IN SCI/ENG		
	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN
TOTAL, ALL FIELDS	217,000	140,300	76,700	206,700	136,200	70,500	193,100	128,200	64,900	117,200	86,800	30,400
PHYSICAL SCIENCES	8,500	6,300	2,200	8,100	6,100	2,100	7,300	5,400	1,900	6,000	4,300	1,700
CHEMISTRY	4,900	3,200	1,800	4,700	3,000	1,700	4,100	2,600	1,500	3,700	2,200	1,500
PHYSICS/ASTRONOMY	2,600	2,400	100	2,500	2,400	100	2,400	2,200	100	1,800	1,700	100
OTHER PHYS SCIENCES	1,000	700	300	900	600	300	900	600	300	500	400	100
MATH/STATISTICS	9,400	6,200	3,200	9,200	6,100	3,000	8,700	5,900	2,800	5,800	4,100	1,600
COMPUTER SCIENCE	13,400	9,400	4,100	13,300	9,300	4,000	12,900	9,200	3,800	11,600	8,100	3,600
ENVIRON SCIENCE	4,700	3,400	1,200	4,500	3,300	1,200	4,100	3,000	1,100	3,200	2,500	700
ENGINEERING	57,200	51,700	5,600	56,100	50,700	5,400	54,400	49,100	5,200	48,100	43,300	4,700
AERO/ASTRO	900	800	100	900	800	100	900	800	100	700	700	100
CHEMICAL	6,100	4,800	1,300	5,900	4,600	1,300	5,700	4,500	1,200	4,900	3,800	1,100
CIVIL	9,400	8,500	900	9,300	8,400	900	8,800	7,900	900	8,000	7,200	800
ELECT/ELECTRON	14,900	13,800	1,100	14,500	13,500	1,000	14,200	13,200	1,000	13,000	12,100	900
INDUSTRIAL	2,700	2,400	300	2,600	2,300	300	2,500	2,200	300	2,000	1,700	300
MATERIALS	1,000	800	200	1,000	800	200	1,000	800	200	900	700	200
MECHANICAL	13,200	12,400	800	13,100	12,300	800	12,900	12,200	700	11,500	10,900	600
MINING	800	700	100	800	700	100	800	700	100	700	600	100
NUCLEAR	400	400	(1)	300	300	(1)	300	300	(1)	300	300	(1)
PETROLEUM	800	800	100	800	800	100	800	800	100	800	700	100
OTHER ENGINEERING	6,900	6,200	700	6,800	6,200	700	6,500	5,800	700	5,200	4,600	600
LIFE SCIENCES	41,000	21,400	19,600	37,800	20,400	17,400	34,300	18,900	15,300	19,700	11,300	8,400
BIOLOGY	24,800	11,500	13,300	22,300	10,800	11,600	19,700	9,700	9,900	9,100	4,300	4,800
AGR SCIENCE	16,300	10,000	6,300	15,400	9,700	5,800	14,600	9,200	5,400	10,600	7,000	3,600
PSYCHOLOGY	27,400	9,500	17,900	25,200	9,100	16,000	23,200	8,400	14,800	6,000	2,800	3,200
SOCIAL SCIENCES	55,300	32,400	22,900	52,600	31,100	21,500	48,200	28,300	19,900	16,900	10,300	6,500
ECONOMICS	16,800	13,000	3,700	15,600	12,400	3,200	14,100	10,900	3,200	5,400	3,600	1,800
SOCIO/ANTHRO	19,400	6,800	12,600	18,900	6,500	12,300	17,300	6,200	11,100	6,300	2,900	3,400
OTHER SOC SCIENCES	19,200	12,600	6,600	18,100	12,100	6,000	16,800	11,100	5,600	5,200	3,800	1,400

(1) TOO FEW CASES TO REPORT.

NOTE: DETAIL MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-23. NUMBER OF 1981 SCIENCE/ENGINEERING BACHELOR'S-DEGREE RECIPIENTS BY FIELD OF DEGREE, SEX, AND TYPE OF EMPLOYER: 1982

(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND SEX	TOTAL EMPLOYED	TYPE OF EMPLOYER						
		BUSINESS/ INDUSTRY	EDUCATIONAL INSTITUTIONS	NONPROFIT ORGS	FEDERAL GOVERNMENT	STATE/LOCAL GOVERNMENTS	OTHER	NO REPORT
TOTAL, ALL FIELDS	193,100	128,800	17,300	9,300	8,200	10,700	16,500	2,300
MEN	128,200	90,500	8,300	3,600	6,200	6,400	12,000	1,200
WOMEN	64,900	38,300	9,000	5,700	2,000	4,300	4,500	1,100
PHYSICAL SCIENCES	7,300	4,400	800	100	600	200	1,200	(1)
MEN	5,400	3,200	400	100	600	100	1,000	(1)
WOMEN	1,900	1,200	400	(1)	(1)	200	200	(1)
CHEMISTRY	4,100	2,800	500	(1)	100	200	500	(1)
MEN	2,600	1,800	200	(1)	100	100	300	(1)
WOMEN	1,500	1,000	200	(1)	(1)	100	100	(1)
PHYSICS/ASTRONOMY	2,400	1,100	200	(1)	500	(1)	500	(1)
MEN	2,200	1,000	200	(1)	500	(1)	500	(1)
WOMEN	100	100	(1)	(1)	(1)	(1)	(1)	(1)
OTHER PHYS SCIENCES	900	400	100	(1)	(1)	(1)	200	(1)
MEN	600	400	(1)	(1)	(1)	(1)	200	(1)
WOMEN	300	100	100	(1)	(1)	(1)	100	(1)
MATH/STATISTICS	8,700	6,100	1,000	100	500	100	900	100
MEN	5,900	4,000	300	100	400	100	900	100
WOMEN	2,800	2,100	600	(1)	100	(1)	(1)	(1)
COMPUTER SCIENCE	12,900	10,500	800	100	400	200	700	100
MEN	9,200	7,500	400	100	300	100	600	100
WOMEN	3,800	3,100	400	(1)	100	100	100	(1)
ENVIRON SCIENCE	4,100	2,800	300	100	100	300	500	(1)
MEN	3,000	2,300	100	100	100	(1)	400	(1)
WOMEN	1,100	500	200	(1)	(1)	200	100	(1)
ENGINEERING	54,400	43,800	1,800	600	2,900	1,800	3,100	400
MEN	49,100	39,100	1,800	500	2,700	1,500	3,100	400
WOMEN	5,200	4,600	(1)	100	200	300	(1)	(1)
AERO/ASTRO	900	700	(1)	(1)	100	(1)	200	(1)
MEN	800	600	(1)	(1)	100	(1)	200	(1)
WOMEN	100	100	(1)	(1)	(1)	(1)	(1)	(1)
CHEMICAL	5,700	5,200	100	(1)	200	100	100	(1)
MEN	4,500	4,000	100	(1)	200	(1)	100	(1)
WOMEN	1,200	1,100	(1)	(1)	(1)	(1)	(1)	(1)
CIVIL	8,800	5,800	400	(1)	800	1,000	800	(1)
MEN	7,900	5,200	400	(1)	700	800	800	(1)
WOMEN	900	600	(1)	(1)	100	200	(1)	(1)

TABLE B-23. NUMBER OF 1981 SCIENCE/ENGINEERING BACHELOR'S-DEGREE RECIPIENTS BY FIELD OF DEGREE, SEX, AND TYPE OF EMPLOYER: 1982
(CONTINUED)
(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND SEX	TOTAL EMPLOYED	TYPE OF EMPLOYER						
		BUSINESS/ INDUSTRY	EDUCATIONAL INSTITUTIONS	NONPROFIT ORGS	FEDERAL GOVERNMENT	STATE/LOCAL GOVERNMENTS	OTHER	NO REPORT
ELECT/ELECTRON	14,200	12,200	400	200	600	200	500	(1)
MEN	13,200	11,200	400	200	600	200	500	(1)
WOMEN	1,000	1,000	(1)	(1)	(1)	(1)	(1)	(1)
INDUSTRIAL	2,500	2,000	100	100	100	100	100	100
MEN	2,200	1,800	100	100	100	(1)	100	100
WOMEN	300	200	(1)	(1)	(1)	100	(1)	(1)
MATERIALS	1,000	700	100	(1)	(1)	(1)	100	100
MEN	800	500	100	(1)	(1)	(1)	100	100
WOMEN	200	200	(1)	(1)	(1)	(1)	(1)	(1)
MECHANICAL	12,900	10,700	400	200	600	200	700	100
MEN	12,200	10,000	400	200	600	200	700	100
WOMEN	700	700	(1)	(1)	100	(1)	(1)	(1)
MINING	800	700	(1)	(1)	(1)	(1)	(1)	(1)
MEN	700	600	(1)	(1)	(1)	(1)	(1)	(1)
WOMEN	100	100	(1)	(1)	(1)	(1)	(1)	(1)
NUCLEAR	300	300	(1)	(1)	(1)	(1)	(1)	(1)
MEN	300	200	(1)	(1)	(1)	(1)	(1)	(1)
WOMEN	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
PETROLEUM	800	800	(1)	(1)	(1)	(1)	(1)	(1)
MEN	800	700	(1)	(1)	(1)	(1)	(1)	(1)
WOMEN	100	100	(1)	(1)	(1)	(1)	(1)	(1)
OTHER ENGINEERING	6,500	4,700	300	100	500	300	500	100
MEN	5,800	4,100	300	100	400	300	500	100
WOMEN	700	600	(1)	(1)	100	(1)	(1)	(1)
LIFE SCIENCES	34,300	20,100	3,900	1,700	2,300	2,200	3,700	300
MEN	18,900	11,500	1,600	800	1,200	1,600	2,000	300
WOMEN	15,300	8,600	2,300	800	1,200	700	1,700	(1)
BIOLOGY	19,700	9,900	3,000	900	1,100	1,200	3,300	300
MEN	9,700	4,900	1,200	600	300	800	1,700	300
WOMEN	9,900	4,900	1,800	400	800	500	1,600	(1)
AGR SCIENCE	14,600	10,200	1,000	700	1,200	1,000	400	(1)
MEN	9,200	6,500	500	200	800	800	300	(1)
WOMEN	5,400	3,700	500	500	400	200	100	(1)

TABLE B-23. NUMBER OF 1981 SCIENCE/ENGINEERING BACHELOR'S-DEGREE RECIPIENTS BY FIELD OF DEGREE, SEX, AND TYPE OF EMPLOYER: 1982
(CONTINUED)
(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND SEX	TOTAL EMPLOYED	TYPE OF EMPLOYER						
		BUSINESS/ INDUSTRY	EDUCATIONAL INSTITUTIONS	NONPROFIT ORGS	FEDERAL GOVERNMENT	STATE/LOCAL GOVERNMENTS	OTHER	NO REPORT
PSYCHOLOGY	23,200	11,700	3,700	2,000	400	1,700	3,000	700
MEN	8,400	4,100	1,400	500	100	600	1,700	(1)
WOMEN	14,800	7,600	2,300	1,500	300	1,100	1,300	700
SOCIAL SCIENCES	48,200	29,500	4,900	4,700	1,000	4,100	3,400	600
MEN	28,300	18,800	2,300	1,400	700	2,400	2,400	200
WOMEN	19,900	10,600	2,600	3,300	300	1,700	1,100	400
ECONOMICS	14,100	10,600	1,400	300	100	700	1,000	(1)
MEN	10,900	8,200	900	300	100	500	1,000	(1)
WOMEN	3,200	2,400	600	(1)	(1)	200	(1)	(1)
SOCIO/ANTHRO	17,300	8,900	1,900	2,600	200	1,700	1,500	400
MEN	6,200	3,800	500	400	(1)	800	500	200
WOMEN	11,100	5,100	1,400	2,300	200	800	1,000	200
OTHER SOC SCIENCES	16,800	10,000	1,500	1,800	600	1,700	900	200
MEN	11,100	6,800	900	800	600	1,100	900	(1)
WOMEN	5,600	3,200	600	1,000	100	600	(1)	100

(1) TOO FEW CASES TO REPORT.

NOTE: DETAIL MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-24. NUMBER OF 1981 SCIENCE/ENGINEERING BACHELOR'S-DEGREE RECIPIENTS BY FIELD OF DEGREE, SEX, AND PRIMARY WORK ACTIVITY: 1982

(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND SEX	TOTAL EMPLOYED	PRIMARY WORK ACTIVITY							
		R & D	MANAGEMENT/ ADMIN	TEACHING	PRODUCTION/ INSPECTION	RPT/STAT/ COMPUTING ACTIVITIES	SALES/ PROF SERV	OTHER	NO REPORT
TOTAL, ALL FIELDS	193,100	43,400	31,100	12,800	33,900	24,900	28,500	12,700	5,700
MEN	128,200	32,500	19,000	6,100	26,900	15,100	16,700	8,700	3,200
WOMEN	64,900	10,900	12,100	6,700	7,000	9,700	11,800	4,000	2,600
PHYSICAL SCIENCES	7,300	2,500	800	600	1,600	500	700	700	(1)
MEN	5,400	1,800	600	400	1,000	500	600	600	(1)
WOMEN	1,900	700	200	200	600	100	100	100	(1)
CHEMISTRY	4,100	1,700	300	200	1,200	200	300	200	(1)
MEN	2,600	1,100	200	100	600	200	300	200	(1)
WOMEN	1,500	600	100	200	600	(1)	100	100	(1)
PHYSICS/ASTRONOMY	2,400	500	200	300	400	300	300	300	(1)
MEN	2,200	500	200	300	400	300	300	300	(1)
WOMEN	100	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)
OTHER PHYS SCIENCES	900	200	300	(1)	(1)	(1)	100	200	(1)
MEN	600	200	200	(1)	(1)	(1)	(1)	200	(1)
WOMEN	300	(1)	100	(1)	(1)	(1)	100	(1)	(1)
MATH/STATISTICS	8,700	800	800	700	1,500	3,700	300	800	100
MEN	5,900	600	500	200	1,200	2,500	100	600	100
WOMEN	2,800	200	300	500	300	1,200	200	200	(1)
COMPUTER SCIENCE	12,900	3,100	700	200	500	7,300	200	700	300
MEN	9,200	2,400	600	100	300	4,800	100	600	200
WOMEN	3,800	600	100	(1)	200	2,500	100	100	100
ENVIRON SCIENCE	4,100	1,700	300	300	900	400	(1)	300	100
MEN	3,000	1,400	300	100	700	300	(1)	200	100
WOMEN	1,100	300	100	200	200	100	(1)	100	100
ENGINEERING	54,400	23,400	5,300	700	15,100	3,800	2,700	2,400	900
MEN	49,100	20,700	5,000	700	14,100	3,000	2,500	2,300	800
WOMEN	5,200	2,700	400	(1)	1,000	700	200	200	(1)
AERO/ASTRO	900	700	100	100	(1)	100	(1)	100	(1)
MEN	800	600	100	100	(1)	100	(1)	100	(1)
WOMEN	100	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)
CHEMICAL	5,700	2,900	200	(1)	1,700	200	200	200	100
MEN	4,500	2,100	200	(1)	1,500	200	200	200	100
WOMEN	1,200	800	(1)	(1)	200	100	100	(1)	(1)
CIVIL	8,800	2,600	1,500	200	2,700	700	300	700	100
MEN	7,900	2,300	1,300	200	2,500	500	300	700	100
WOMEN	900	300	200	(1)	200	200	(1)	(1)	(1)

TABLE B-24. NUMBER OF 1981 SCIENCE/ENGINEERING BACHELOR'S-DEGREE RECIPIENTS BY FIELD OF DEGREE, SEX, AND PRIMARY WORK ACTIVITY: 1982
(CONTINUED)
(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND SEX	TOTAL EMPLOYED	PRIMARY WORK ACTIVITY							
		R & D	MANAGEMENT/ ADMIN	TEACHING	PRODUCTION/ INSPECTION	RPT/STAT/ COMPUTING ACTIVITIES	SALES/ PROF SERV	OTHER	NO REPORT
ELECT/ELECTRON	14,200	7,100	900	100	3,700	1,400	500	400	200
MEN	13,200	6,400	900	100	3,500	1,200	500	400	200
WOMEN	1,000	600	(1)	(1)	200	100	(1)	(1)	(1)
INDUSTRIAL	2,500	400	400	(1)	900	400	200	100	100
MEN	2,200	400	400	(1)	800	300	200	100	100
WOMEN	300	100	(1)	(1)	100	100	(1)	(1)	(1)
MATERIALS	1,000	300	200	(1)	400	(1)	(1)	(1)	(1)
MEN	800	200	100	(1)	400	(1)	(1)	(1)	(1)
WOMEN	200	100	100	(1)	100	(1)	(1)	(1)	(1)
MECHANICAL	12,900	6,600	1,000	200	3,400	600	200	500	400
MEN	12,200	6,200	900	200	3,200	600	200	500	400
WOMEN	700	400	100	(1)	100	(1)	(1)	(1)	(1)
MINING	800	300	100	(1)	200	100	100	(1)	(1)
MEN	700	200	100	(1)	200	100	100	(1)	(1)
WOMEN	100	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)
NUCLEAR	300	(1)	(1)	(1)	100	100	(1)	(1)	(1)
MEN	300	(1)	(1)	(1)	100	100	(1)	(1)	(1)
WOMEN	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
PETROLEUM	800	300	(1)	(1)	400	(1)	(1)	(1)	(1)
MEN	800	300	(1)	(1)	400	(1)	(1)	(1)	(1)
WOMEN	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
OTHER ENGINEERING	6,500	2,300	900	200	1,400	200	1,200	400	(1)
MEN	5,800	2,000	900	200	1,300	100	1,100	300	(1)
WOMEN	700	300	(1)	(1)	100	100	100	100	(1)
LIFE SCIENCES	34,300	6,600	4,600	1,900	8,000	2,200	8,000	1,500	1,400
MEN	18,900	2,900	2,300	1,200	5,500	1,100	4,500	800	700
WOMEN	15,300	3,700	2,300	700	2,500	1,000	3,600	700	700
BIOLOGY	19,700	4,100	2,200	1,600	3,600	1,600	4,800	1,000	700
MEN	9,700	1,400	700	1,100	2,300	1,000	2,500	400	300
WOMEN	9,900	2,700	1,500	500	1,300	600	2,300	600	400
AGR SCIENCE	14,600	2,500	2,300	300	4,400	600	3,200	600	700
MEN	9,200	1,500	1,600	100	3,200	100	2,000	400	400
WOMEN	5,400	1,000	800	200	1,200	500	1,300	200	300

TABLE B 24. NUMBER OF 1981 SCIENCE/ENGINEERING BACHELOR'S-DEGREE RECIPIENTS BY FIELD OF DEGREE, SEX, AND PRIMARY WORK ACTIVITY: 1982
(CONTINUED)
(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND SEX	TOTAL EMPLOYED	PRIMARY WORK ACTIVITY							
		R & D	MANAGEMENT/ ADMIN	TEACHING	PRODUCTION/ INSPECTION	RPT/STAT/ COMPUTING ACTIVITIES	SALES/ PROF SERV	OTHER	NO REPORT
PSYCHOLOGY	23,200	1,400	6,000	4,100	2,000	1,500	4,400	2,500	1,100
MEN	8,400	200	1,800	1,500	1,300	500	1,500	1,200	200
WOMEN	14,800	1,200	4,200	2,600	700	900	2,900	1,300	900
SOCIAL SCIENCES	48,200	4,000	12,600	4,300	4,200	5,500	12,100	3,800	1,800
MEN	28,300	2,400	7,900	1,800	2,800	2,400	7,400	2,500	1,000
WOMEN	19,900	1,500	4,700	2,500	1,400	3,100	4,700	1,200	800
ECONOMICS	14,100	1,100	4,700	800	1,500	1,400	3,500	1,200	(1)
MEN	10,900	600	3,600	800	900	1,300	2,600	1,200	(1)
WOMEN	3,200	500	1,100	(1)	600	100	800	(1)	(1)
SOCIO/ANTHRO	17,300	1,300	3,200	2,300	1,400	2,200	4,000	1,800	1,000
MEN	6,200	800	1,200	200	900	200	1,800	600	500
WOMEN	11,100	600	2,000	2,100	500	2,000	2,200	1,200	500
OTHER SOC SCIENCES	16,800	1,500	4,700	1,100	1,300	1,900	4,500	800	900
MEN	11,100	1,100	3,100	800	1,000	900	2,900	800	500
WOMEN	5,600	400	1,500	300	300	1,000	1,600	(1)	300

(1) TOO FEW CASES TO REPORT.

NOTE: DETAIL MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-25. NUMBER OF 1981 SCIENCE/ENGINEERING BACHELOR'S-DEGREE RECIPIENTS BY FIELD OF DEGREE, TYPE OF EMPLOYER, AND PRIMARY WORK ACTIVITY: 1982
(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND TYPE OF EMPLOYER	TOTAL EMPLOYED	PRIMARY WORK ACTIVITY							
		R & D	MANAGEMENT/ ADMIN	TEACHING	PRODUCTION/ INSPECTION	RPT/STAT/ COMPUTING ACTIVITIES	SALES/ PROF SERV	OTHER	NO REPORT
TOTAL, ALL FIELDS	193,100	43,400	31,100	12,800	33,900	24,900	28,500	12,700	5,700
BUSINESS/INDUSTRY	128,800	31,600	19,800	1,400	26,700	19,000	21,900	6,100	2,200
EDUCATIONAL INSTS	17,300	4,500	1,400	7,200	400	1,300	1,300	600	600
NONPROFIT ORGS	9,300	1,000	1,900	1,900	1,000	700	1,600	1,100	200
FEDERAL GOVT	8,200	2,600	1,400	300	1,600	1,000	600	300	300
STATE/LOCAL GOVT	10,700	2,000	2,700	500	2,000	1,500	1,000	800	400
OTHER	16,500	1,600	3,700	1,600	2,000	1,300	2,000	3,700	500
NO REPORT	2,300	(1)	200	(1)	200	100	100	100	1,600
PHYSICAL SCIENCES	7,300	2,500	800	600	1,600	500	700	700	(1)
BUSINESS/INDUSTRY	4,400	2,000	300	(1)	1,100	300	500	200	(1)
EDUCATIONAL INSTS	800	300	100	400	(1)	(1)	(1)	(1)	(1)
NONPROFIT ORGS	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
FEDERAL GOVT	600	200	100	100	200	(1)	(1)	(1)	(1)
STATE/LOCAL GOVT	200	(1)	(1)	(1)	100	(1)	100	(1)	(1)
OTHER	1,200	100	200	(1)	200	100	100	400	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
MATH/STATISTICS	8,700	800	800	700	1,500	3,700	300	800	100
BUSINESS/INDUSTRY	6,100	500	400	100	1,200	3,000	300	600	100
EDUCATIONAL INSTS	1,000	(1)	100	600	(1)	200	(1)	(1)	(1)
NONPROFIT ORGS	100	(1)	100	(1)	(1)	(1)	(1)	(1)	(1)
FEDERAL GOVT	500	(1)	100	(1)	200	100	(1)	(1)	(1)
STATE/LOCAL GOVT	100	(1)	(1)	(1)	(1)	100	(1)	(1)	(1)
OTHER	900	200	100	(1)	100	300	(1)	200	(1)
NO REPORT	100	(1)	(1)	(1)	(1)	100	(1)	(1)	(1)
COMPUTER SCIENCE	12,900	3,100	700	200	500	7,300	200	700	300
BUSINESS/INDUSTRY	10,500	2,600	500	100	400	6,100	200	500	100
EDUCATIONAL INSTS	800	100	(1)	100	(1)	500	(1)	(1)	(1)
NONPROFIT ORGS	100	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)
FEDERAL GOVT	400	100	(1)	(1)	(1)	200	(1)	(1)	(1)
STATE/LOCAL GOVT	200	100	(1)	(1)	(1)	100	(1)	100	(1)
OTHER	700	100	100	(1)	(1)	300	(1)	200	(1)
NO REPORT	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)	100
ENVIRON SCIENCE	4,100	1,700	300	300	[illegible]	400	(1)	300	100
BUSINESS/INDUSTRY	2,800	1,400	200	(1)	600	300	(1)	200	100
EDUCATIONAL INSTS	300	100	(1)	300	(1)	(1)	(1)	(1)	(1)
NONPROFIT ORGS	100	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)
FEDERAL GOVT	100	(1)	(1)	(1)	100	(1)	(1)	(1)	(1)
STATE/LOCAL GOVT	300	100	(1)	(1)	200	(1)	(1)	(1)	(1)
OTHER	500	100	100	(1)	100	100	(1)	100	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)

TABLE B-25. NUMBER OF 1981 SCIENCE/ENGINEERING BACHELOR'S-DEGREE RECIPIENTS BY FIELD OF DEGREE,
(CONTINUED) TYPE OF EMPLOYER, AND PRIMARY WORK ACTIVITY: 1982
(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND TYPE OF EMPLOYER	TOTAL EMPLOYED	PRIMARY WORK ACTIVITY							
		R & D	MANAGEMENT/ ADMIN	TEACHING	PRODUCTION/ INSPECTION	RPT/STAT/ COMPUTING ACTIVITIES	SALES/ PROF SERV	OTHER	NO REPORT
ENGINEERING	54,400	23,400	5,300	700	15,100	3,800	2,700	2,400	900
BUSINESS/INDUSTRY	43,800	19,900	3,300	100	12,700	3,100	2,300	1,700	600
EDUCATIONAL INSTS	1,800	1,300	100	200	200	(1)	100	(1)	(1)
NONPROFIT ORGS	600	200	(1)	100	100	(1)	(1)	100	100
FEDERAL GOVT	2,900	1,100	400	200	700	400	100	100	(1)
STATE/LOCAL GOVT	1,800	600	300	(1)	600	200	(1)	(1)	(1)
OTHER	3,100	300	1,100	200	500	200	100	600	100
NO REPORT	400	(1)	(1)	(1)	200	(1)	100	(1)	100
LIFE SCIENCES	34,300	6,600	4,600	1,900	8,000	2,200	8,000	1,500	1,400
BUSINESS/INDUSTRY	20,100	2,400	2,900	100	6,000	1,500	6,100	600	600
EDUCATIONAL INSTS	3,900	1,600	200	1,100	100	(1)	400	300	200
NONPROFIT ORGS	1,700	400	100	200	200	300	200	100	100
FEDERAL GOVT	2,300	1,200	300	(1)	400	100	300	(1)	(1)
STATE/LOCAL GOVT	2,200	400	500	100	800	100	200	100	(1)
OTHER	3,700	500	600	400	600	100	1,000	400	100
NO REPORT	300	(1)	(1)	(1)	(1)	(1)	(1)	(1)	300
PSYCHOLOGY	23,200	1,400	6,000	4,100	2,000	1,500	4,400	2,500	1,100
BUSINESS/INDUSTRY	11,700	600	3,900	500	1,400	1,100	3,100	1,100	100
EDUCATIONAL INSTS	3,700	400	400	2,200	100	100	100	(1)	300
NONPROFIT ORGS	2,000	100	500	400	(1)	200	500	300	(1)
FEDERAL GOVT	400	(1)	300	(1)	(1)	(1)	(1)	100	(1)
STATE/LOCAL GOVT	1,700	300	300	300	100	100	200	300	100
OTHER	3,000	100	600	800	400	(1)	500	600	(1)
NO REPORT	700	(1)	(1)	(1)	(1)	(1)	(1)	100	600
SOCIAL SCIENCES	48,200	4,000	12,600	4,300	4,200	5,500	12,100	3,800	1,800
BUSINESS/INDUSTRY	29,500	2,200	8,200	500	3,400	3,600	9,400	1,500	700
EDUCATIONAL INSTS	4,900	800	500	2,400	(1)	400	700	200	(1)
NONPROFIT ORGS	4,700	100	1,200	1,100	600	300	900	500	(1)
FEDERAL GOVT	1,000	100	100	(1)	100	200	200	(1)	200
STATE/LOCAL GOVT	4,100	600	1,400	100	100	800	500	300	300
OTHER	3,400	300	900	200	(1)	300	300	1,300	200
NO REPORT	600	(1)	200	(1)	(1)	(1)	(1)	(1)	400

(1) TOO FEW CASES TO REPORT.

NOTE: DETAIL MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-26. NUMBER OF 1981 SCIENCE/ENGINEERING BACHELOR'S-DEGREE RECIPIENTS BY FIELD OF DEGREE AND FIELD OF EMPLOYMENT: 1982.

(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE	TOTAL EMPLOYED	NON S/E EMPLOYED	SCI/ENG EMPLOYED	S/E FIELD OF EMPLOYMENT					
				CHEMISTRY	PHYSICS/ ASTRONOMY	OTHER PHYSICAL SCIENCES	MATH/ STAT	COMPUTER SCIENCE	ENVIRON SCIENCE
TOTAL, ALL FIELDS	193,100	75,900	117,200	4,000	400	400	4,300	19,400	3,400
PHYSICAL SCIENCES	7,300	1,400	6,000	2,500	200	100	100	300	300
CHEMISTRY	4,100	400	3,700	2,500	(1)	(1)	100	100	100
PHYSICS/ASTRONOMY	2,400	600	1,800	(1)	200	(1)	(1)	200	100
OTHER PHYS SCIENCES	900	400	500	(1)	(1)	(1)	(1)	(1)	200
MATH/STATISTICS	8,700	3,000	5,800	100	(1)	(1)	1,100	3,300	100
COMPUTER SCIENCE	12,900	1,300	11,600	(1)	(1)	(1)	100	10,800	(1)
ENVIRON SCIENCE	4,100	900	3,200	(1)	(1)	100	(1)	100	2,400
ENGINEERING	54,400	6,300	48,100	100	(1)	100	500	1,900	100
AERO/ASTRO	900	200	700	(1)	(1)	(1)	(1)	(1)	(1)
CHEMICAL	5,700	800	4,900	100	(1)	(1)	100	(1)	(1)
CIVIL	8,800	800	8,000	(1)	(1)	(1)	100	(1)	(1)
ELECT/ELECTRON	14,200	1,200	13,000	(1)	(1)	(1)	100	1,400	(1)
INDUSTRIAL	2,500	500	2,000	(1)	(1)	(1)	100	100	100
MATERIALS	1,000	100	900	(1)	(1)	(1)	(1)	(1)	(1)
MECHANICAL	12,900	1,300	11,500	(1)	(1)	(1)	200	200	(1)
MINING	800	100	700	(1)	(1)	(1)	(1)	(1)	(1)
NUCLEAR	300	(1)	300	(1)	(1)	(1)	(1)	(1)	(1)
PETROLEUM	800	(1)	800	(1)	(1)	(1)	(1)	(1)	(1)
OTHER ENGINEERING	6,500	1,200	5,200	(1)	(1)	(1)	(1)	100	(1)
LIFE SCIENCES	34,300	14,600	19,700	1,200	200	100	300	500	200
BIOLOGY	19,700	10,600	9,100	1,000	200	100	100	500	200
AGR SCIENCE	14,600	4,100	10,600	200	(1)	(1)	100	(1)	(1)
PSYCHOLOGY	23,200	17,200	6,000	(1)	(1)	(1)	700	900	(1)
SOCIAL SCIENCES	48,200	31,300	16,900	300	(1)	(1)	1,400	1,800	400
ECONOMICS	14,100	8,700	5,400	(1)	(1)	(1)	700	500	300
SOCIO/ANTHRO	17,300	11,000	6,300	200	(1)	(1)	400	900	(1)
OTHER SOC SCIENCES	16,800	11,600	5,200	(1)	(1)	(1)	200	300	100

TABLE B-26. NUMBER OF 1981 SCIENCE/ENGINEERING BACHELOR'S-DEGREE RECIPIENTS BY FIELD OF DEGREE AND FIELD OF EMPLOYMENT: 1982
(CONTINUED)
(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

	S/E FIELD OF EMPLOYMENT						
FIELD OF DEGREE	ENGINEERING	BIOLOGY	AGRICULTURAL SCIENCE	PSYCHOLOGY	ECONOMICS	SOCIOLOGY/ ANTHROPOLOGY	OTHER SOCIAL SCIENCES
TOTAL, ALL FIELDS	54,000	5,300	11,700	2,300	2,800	5,400	3,900
PHYSICAL SCIENCES	2,100	200	(1)	(1)	(1)	(1)	100
CHEMISTRY	700	200	(1)	(1)	(1)	(1)	100
PHYSICS/ASTRONOMY	1,200	(1)	(1)	(1)	(1)	(1)	(1)
OTHER PHYS SCIENCES	200	(1)	(1)	(1)	(1)	(1)	(1)
MATH/STATISTICS	1,100	(1)	100	(1)	100	(1)	(1)
COMPUTER SCIENCE	700	(1)	(1)	(1)	(1)	(1)	(1)
ENVIRON SCIENCE	500	(1)	100	(1)	(1)	(1)	(1)
ENGINEERING	45,200	100	100	(1)	(1)	(1)	(1)
AERO/ASTRO	700	(1)	(1)	(1)	(1)	(1)	(1)
CHEMICAL	4,700	(1)	(1)	(1)	(1)	(1)	(1)
CIVIL	7,900	(1)	(1)	(1)	(1)	(1)	(1)
ELECT/ELECTRON	11,500	(1)	(1)	(1)	(1)	(1)	(1)
INDUSTRIAL	1,800	(1)	(1)	(1)	(1)	(1)	(1)
MATERIALS	900	(1)	(1)	(1)	(1)	(1)	(1)
MECHANICAL	11,100	(1)	(1)	(1)	(1)	(1)	(1)
MINING	700	(1)	(1)	(1)	(1)	(1)	(1)
NUCLEAR	300	(1)	(1)	(1)	(1)	(1)	(1)
PETROLEUM	800	(1)	(1)	(1)	(1)	(1)	(1)
OTHER ENGINEERING	4,900	100	100	(1)	(1)	(1)	(1)
LIFE SCIENCES	2,100	4,700	10,000	100	(1)	200	200
BIOLOGY	1,400	4,100	1,200	100	(1)	100	100
AGR SCIENCE	700	600	8,800	(1)	(1)	100	100
PSYCHOLOGY	400	200	300	1,900	(1)	900	600
SOCIAL SCIENCES	1,900	(1)	1,000	200	2,700	4,200	3,000
ECONOMICS	800	(1)	300	(1)	2,000	500	300
SOCIO/ANTHRO	400	(1)	400	200	(1)	3,000	700
OTHER SOC SCIENCES	800	(1)	300	(1)	700	700	1,900

(1) TOO FEW CASES TO REPORT.

NOTE: DETAIL MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-27 NUMBER OF 1981 SCIENCE/ENGINEERING BACHELOR'S-DEGREE RECIPIENTS EMPLOYED IN S/E JOBS BY FIELD OF DEGREE, TYPE OF EMPLOYER, AND PRIMARY WORK ACTIVITY: 1982

(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND TYPE OF EMPLOYER	TOTAL S/E EMPLOYED	PRIMARY WORK ACTIVITY							
		R & D	MANAGEMENT/ ADMIN	TEACHING	PRODUCTION/ INSPECTION	RPT/STAT/ COMPUTING ACTIVITIES	SALES/ PROF SERV	OTHER	NO REPORT
TOTAL, ALL FIELDS	117,200	39,500	12,600	3,600	26,900	19,600	8,600	5,500	900
BUSINESS/INDUSTRY	82,400	29,500	7,900	200	21,200	14,700	5,300	3,200	400
EDUCATIONAL INSTS	7,900	3,900	600	1,600	300	1,000	400	100	(1)
NONPROFIT ORGS	4,900	700	300	900	600	700	1,000	600	100
FEDERAL GOVT	6,500	2,300	900	200	1,600	700	400	300	(1)
STATE/LOCAL GOVT	8,100	1,800	1,700	100	1,700	1,500	700	300	300
OTHER	7,000	1,300	1,200	600	1,400	900	700	900	100
NO REPORT	400	(1)	(1)	(1)	200	100	100	(1)	(1)
PHYSICAL SCIENCES	6,000	2,300	500	300	1,500	500	500	300	(1)
BUSINESS/INDUSTRY	3,700	1,800	200	(1)	1,000	300	400	(1)	(1)
EDUCATIONAL INSTS	600	300	(1)	300	(1)	(1)	(1)	(1)	(1)
NONPROFIT ORGS	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
FEDERAL GOVT	500	200	100	(1)	200	(1)	(1)	(1)	(1)
STATE/LOCAL GOVT	200	(1)	(1)	(1)	100	(1)	(1)	(1)	(1)
OTHER	900	100	200	(1)	100	100	100	200	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
MATH/STATISTICS	5,800	600	400	200	1,200	3,000	(1)	400	(1)
BUSINESS/INDUSTRY	4,300	300	100	(1)	900	2,600	(1)	300	(1)
EDUCATIONAL INSTS	400	(1)	100	100	(1)	200	(1)	(1)	(1)
NONPROFIT ORGS	100	(1)	100	(1)	(1)	(1)	(1)	(1)	(1)
FEDERAL GOVT	400	(1)	100	(1)	200	100	(1)	(1)	(1)
STATE/LOCAL GOVT	100	(1)	(1)	(1)	(1)	100	(1)	(1)	(1)
OTHER	400	200	(1)	(1)	100	(1)	(1)	100	(1)
NO REPORT	100	(1)	(1)	(1)	(1)	100	(1)	(1)	(1)
COMPUTER SCIENCE	11,600	2,900	600	100	400	6,900	100	500	100
BUSINESS/INDUSTRY	9,900	2,600	500	100	400	5,800	100	400	100
EDUCATIONAL INSTS	600	100	(1)	(1)	(1)	500	(1)	(1)	(1)
NONPROFIT ORGS	100	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)
FEDERAL GOVT	300	100	(1)	(1)	(1)	200	(1)	(1)	(1)
STATE/LOCAL GOVT	200	100	(1)	(1)	(1)	100	(1)	(1)	(1)
OTHER	500	100	100	(1)	(1)	300	(1)	(1)	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
ENVIRON SCIENCE	3,200	1,600	200	100	700	400	(1)	200	(1)
BUSINESS/INDUSTRY	2,300	1,300	100	(1)	400	300	(1)	100	(1)
EDUCATIONAL INSTS	100	100	(1)	100	(1)	(1)	(1)	(1)	(1)
NONPROFIT ORGS	100	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)
FEDERAL GOVT	100	(1)	(1)	(1)	100	(1)	(1)	(1)	(1)
STATE/LOCAL GOVT	200	100	(1)	(1)	200	(1)	(1)	(1)	(1)
OTHER	300	(1)	100	(1)	100	100	(1)	(1)	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)

TABLE B-27. NUMBER OF 1981 SCIENCE/ENGINEERING BACHELOR'S-DEGREE RECIPIENTS EMPLOYED IN S/E JOBS
(CONTINUED) BY FIELD OF DEGREE, TYPE OF EMPLOYER, AND PRIMARY WORK ACTIVITY: 1982
(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND TYPE OF EMPLOYER	TOTAL S/E EMPLOYED	PRIMARY WORK ACTIVITY							
		R & D	MANAGEMENT/ ADMIN	TEACHING	PRODUCTION/ INSPECTION	RPT/STAT/ COMPUTING ACTIVITIES	SALES/ PROF SERV	OTHER	NO REPORT
ENGINEERING	48,100	22,700	4,000	500	13,800	3,500	1,700	1,700	200
BUSINESS/INDUSTRY	39,500	19,400	2,600	100	11,700	2,900	1,400	1,300	100
EDUCATIONAL INSTS	1,600	1,300	100	200	100	(1)	(1)	(1)	(1)
NONPROFIT ORGS	400	200	(1)	(1)	100	(1)	(1)	100	(1)
FEDERAL GOVT	2,500	1,000	300	200	600	300	100	100	(1)
STATE/LOCAL GOVT	1,700	600	300	(1)	600	200	(1)	(1)	(1)
OTHER	2,000	300	600	100	500	200	100	200	100
NO REPORT	300	(1)	(1)	(1)	200	(1)	100	(1)	(1)
LIFE SCIENCES	19,700	5,600	2,500	600	6,500	800	2,600	700	400
BUSINESS/INDUSTRY	11,100	2,200	1,500	(1)	4,800	400	1,700	400	200
EDUCATIONAL INSTS	2,200	1,300	200	200	100	(1)	200	100	(1)
NONPROFIT ORGS	1,200	300	100	100	200	300	100	(1)	100
FEDERAL GOVT	1,900	1,000	300	(1)	400	(1)	100	(1)	(1)
STATE/LOCAL GOVT	1,600	400	300	(1)	600	100	(1)	100	(1)
OTHER	1,600	300	200	200	500	(1)	300	100	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
PSYCHOLOGY	6,000	700	1,300	800	800	800	900	800	(1)
BUSINESS/INDUSTRY	2,500	400	800	(1)	500	400	200	100	(1)
EDUCATIONAL INSTS	900	100	100	400	100	100	(1)	(1)	(1)
NONPROFIT ORGS	1,000	(1)	100	100	(1)	100	400	200	(1)
FEDERAL GOVT	100	(1)	(1)	(1)	(1)	(1)	(1)	100	(1)
STATE/LOCAL GOVT	900	100	300	(1)	100	100	100	100	(1)
OTHER	700	(1)	(1)	300	(1)	(1)	100	200	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
SOCIAL SCIENCES	16,900	3,100	3,100	1,100	2,100	3,700	2,800	900	300
BUSINESS/INDUSTRY	9,100	1,400	2,200	(1)	1,600	2,100	1,400	500	(1)
EDUCATIONAL INSTS	1,400	800	100	200	(1)	200	100	(1)	(1)
NONPROFIT ORGS	2,100	(1)	(1)	700	300	300	600	200	(1)
FEDERAL GOVT	600	100	100	(1)	100	100	200	(1)	(1)
STATE/LOCAL GOVT	3,100	600	700	100	100	800	500	100	300
OTHER	600	300	(1)	(1)	(1)	300	(1)	100	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)

(1) TOO FEW CASES TO REPORT.

NOTE: DETAIL MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-28. NUMBER OF 1981 SCIENCE/ENGINEERING MASTER'S-DEGREE RECIPIENTS BY FIELD OF DEGREE, SEX, AND GRADUATE SCHOOL STATUS: 1982

FIELD OF DEGREE AND SEX	TOTAL	GRADUATE SCHOOL STATUS			
		FULL TIME	PART TIME	NONSTUDENT	OTHER AND NO REPORT
TOTAL, ALL FIELDS	46,700	9,800	4,300	32,000	600
MEN	34,700	7,700	2,700	23,700	500
WOMEN	12,100	2,100	1,600	8,300	100
PHYSICAL SCIENCES	2,700	900	300	1,500	(1)
MEN	2,300	800	200	1,200	(1)
WOMEN	500	100	100	200	(1)
CHEMISTRY	1,500	500	200	800	(1)
MEN	1,100	400	100	600	(1)
WOMEN	400	100	100	200	(1)
PHYSICS/ASTRONOMY	800	400	(1)	400	(1)
MEN	800	400	(1)	400	(1)
WOMEN	(1)	(1)	(1)	(1)	(1)
OTHER PHYS SCIENCES	400	100	100	200	(1)
MEN	300	100	100	200	(1)
WOMEN	100	(1)	(1)	(1)	(1)
MATH/STATISTICS	4,100	700	400	2,900	(1)
MEN	2,600	500	200	1,900	(1)
WOMEN	1,500	300	200	1,000	(1)
COMPUTER SCIENCE	5,000	400	500	4,100	(1)
MEN	3,800	400	400	3,000	(1)
WOMEN	1,200	100	100	1,100	(1)
ENVIRON SCIENCE	1,700	300	100	1,200	(1)
MEN	1,300	300	100	900	(1)
WOMEN	400	100	100	300	(1)
ENGINEERING	13,800	2,100	1,000	10,600	100
MEN	12,500	1,900	900	9,500	100
WOMEN	1,400	200	100	1,000	(1)
AERO/ASTRO	300	(1)	(1)	200	(1)
MEN	300	(1)	(1)	200	(1)
WOMEN	(1)	(1)	(1)	(1)	(1)
CHEMICAL	1,600	300	200	1,100	(1)
MEN	1,300	200	200	900	(1)
WOMEN	200	(1)	(1)	200	(1)
CIVIL	2,000	300	100	1,500	100
MEN	1,800	200	100	1,400	100
WOMEN	100	(1)	(1)	100	(1)

TABLE B-28. NUMBER OF 1981 SCIENCE/ENGINEERING MASTER'S-DEGREE RECIPIENTS BY FIELD OF DEGREE, SEX, AND GRADUATE SCHOOL STATUS: 1982
(CONTINUED)

FIELD OF DEGREE AND SEX	TOTAL	GRADUATE SCHOOL STATUS			
		FULL TIME	PART TIME	NONSTUDENT	OTHER AND NO REPORT
ELECT/ELECTRON	3,800	700	100	2,900	(1)
MEN	3,500	600	100	2,800	(1)
WOMEN	300	100	(1)	200	(1)
INDUSTRIAL	900	(1)	(1)	800	(1)
MEN	800	(1)	(1)	800	(1)
WOMEN	(1)	(1)	(1)	(1)	(1)
MATERIALS	400	100	(1)	300	(1)
MEN	300	100	(1)	200	(1)
WOMEN	200	(1)	(1)	200	(1)
MECHANICAL	2,100	300	400	1,400	(1)
MEN	1,800	200	300	1,300	(1)
WOMEN	300	(1)	100	100	(1)
MINING	100	(1)	(1)	100	(1)
MEN	100	(1)	(1)	100	(1)
WOMEN	(1)	(1)	(1)	(1)	(1)
NUCLEAR	300	(1)	(1)	200	(1)
MEN	300	(1)	(1)	200	(1)
WOMEN	(1)	(1)	(1)	(1)	(1)
PETROLEUM	100	(1)	(1)	100	(1)
MEN	100	(1)	(1)	100	(1)
WOMEN	(1)	(1)	(1)	(1)	(1)
OTHER ENGINEERING	2,200	300	100	1,800	(1)
MEN	2,000	300	100	1,600	(1)
WOMEN	200	(1)	(1)	100	(1)
LIFE SCIENCES	8,600	2,400	800	5,200	200
MEN	5,500	1,800	500	3,000	200
WOMEN	3,100	600	300	2,300	(1)
BIOLOGY	5,500	1,600	500	3,200	200
MEN	3,300	1,200	400	1,600	200
WOMEN	2,100	500	100	1,500	(1)
AGR SCIENCE	3,200	800	300	2,100	(1)
MEN	2,200	700	100	1,300	(1)
WOMEN	1,000	100	200	700	(1)

TABLE B-28. NUMBER OF 1981 SCIENCE/ENGINEERING MASTER'S-DEGREE RECIPIENTS BY FIELD OF DEGREE,
(CONTINUED) SEX, AND GRADUATE SCHOOL STATUS: 1982

FIELD OF DEGREE AND SEX	TOTAL	GRADUATE SCHOOL STATUS			
		FULL TIME	PART TIME	NONSTUDENT	OTHER AND NO REPORT
PSYCHOLOGY	3,600	1,200	600	1,800	(1)
MEN	1,700	700	200	800	(1)
WOMEN	1,900	500	400	1,000	(1)
SOCIAL SCIENCES	7,100	1,700	600	4,700	200
MEN	5,000	1,400	200	3,400	100
WOMEN	2,100	300	400	1,300	(1)
ECONOMICS	1,800	300	(1)	1,400	100
MEN	1,500	300	(1)	1,100	100
WOMEN	300	(1)	(1)	200	(1)
SOCIO/ANTHRO	1,800	400	200	1,100	(1)
MEN	1,200	300	100	700	(1)
WOMEN	600	100	100	400	(1)
OTHER SOC SCIENCES	3,600	1,000	300	2,200	(1)
MEN	2,400	800	100	1,500	(1)
WOMEN	1,200	200	300	700	(1)

(1) TOO FEW CASES TO REPORT.

NOTE: DETAIL MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-29. NUMBER OF 1981 SCIENCE/ENGINEERING MASTER'S-DEGREE RECIPIENTS BY FIELD OF DEGREE, LABOR FORCE STATUS, AND SEX: 1982

FIELD OF DEGREE	TOTAL			LABOR FORCE			UNEMPLOYED			OUTSIDE LABOR FORCE		
	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN
TOTAL, ALL FIELDS	46,700	34,700	12,100	41,900	31,100	10,800	2,000	1,000	1,000	4,900	3,600	1,300
PHYSICAL SCIENCES	2,700	2,300	500	2,200	1,900	300	100	(1)	100	500	400	100
CHEMISTRY	1,500	1,100	400	1,200	1,000	200	(1)	(1)	(1)	200	100	100
PHYSICS/ASTRONOMY	800	800	(1)	600	600	(1)	(1)	(1)	(1)	200	200	(1)
OTHER PHYS SCIENCES	400	300	100	400	300	100	(1)	(1)	(1)	(1)	(1)	(1)
MATH/STATISTICS	4,100	2,600	1,500	3,600	2,200	1,300	200	100	100	500	300	100
COMPUTER SCIENCE	5,000	3,800	1,200	4,800	3,700	1,200	(1)	(1)	(1)	200	100	100
ENVIRON SCIENCE	1,700	1,300	400	1,600	1,200	400	100	100	(1)	100	100	100
ENGINEERING	13,900	12,500	1,400	12,700	11,500	1,200	300	300	(1)	1,100	900	200
AERO/ASTRO	300	300	(1)	300	300	(1)	(1)	(1)	(1)	(1)	(1)	(1)
CHEMICAL	1,600	1,300	200	1,400	1,200	200	100	100	(1)	200	200	(1)
CIVIL	2,000	1,800	100	1,900	1,800	100	(1)	(1)	(1)	100	(1)	(1)
ELECT/ELECTRON	3,800	3,500	300	3,500	3,300	200	100	100	(1)	300	300	(1)
INDUSTRIAL	900	800	(1)	900	800	(1)	(1)	(1)	(1)	(1)	(1)	(1)
MATERIALS	400	300	200	400	200	100	(1)	(1)	(1)	100	(1)	(1)
MECHANICAL	2,100	1,800	300	1,900	1,700	300	100	100	(1)	200	200	(1)
MINING	100	100	(1)	100	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)
NUCLEAR	300	300	(1)	300	300	(1)	(1)	(1)	(1)	(1)	(1)	(1)
PETROLEUM	100	100	(1)	100	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)
OTHER ENGINEERING	2,200	2,000	200	2,000	1,900	100	100	100	(1)	200	200	(1)
LIFE SCIENCES	8,600	5,500	3,100	7,300	4,600	2,700	300	200	100	1,300	900	400
BIOLOGY	5,500	3,300	2,100	4,500	2,700	1,800	200	100	100	900	600	300
AGR SCIENCE	3,200	2,200	1,000	2,800	1,800	900	100	100	(1)	400	300	100
PSYCHOLOGY	3,600	1,700	1,900	3,400	1,600	1,800	300	(1)	300	200	100	100
SOCIAL SCIENCES	7,100	5,000	2,100	6,200	4,300	1,900	600	200	300	900	700	200
ECONOMICS	1,800	1,500	300	1,600	1,400	300	100	100	100	100	100	(1)
SOCIO/ANTHRO	1,800	1,200	600	1,600	1,100	500	200	100	(1)	200	100	100
OTHER SOC SCIENCES	3,600	2,400	1,200	3,000	1,900	1,100	300	(1)	200	600	500	100

(1) TOO FEW CASES TO REPORT.

NOTE: DETAIL MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-30. NUMBER OF 1981 SCIENCE/ENGINEERING MASTER'S-DEGREE RECIPIENTS BY FIELD OF DEGREE, LABOR FORCE STATUS, AND RACE: 1982

FIELD OF DEGREE	TOTAL POPULATION						LABOR FORCE					
	TOTAL	WHITE	BLACK	ASIAN	OTHER	NO REPORT	TOTAL	WHITE	BLACK	ASIAN	OTHER	NO REPORT
TOTAL, ALL FIELDS	46,700	40,700	1,300	3,000	1,000	700	41,900	36,700	1,200	2,500	900	600
PHYSICAL SCIENCES	2,700	2,500	(1)	100	100	(1)	2,200	2,100	(1)	100	100	(1)
CHEMISTRY	1,500	1,300	(1)	100	100	(1)	1,200	1,100	(1)	(1)	100	(1)
PHYSICS/ASTRONOMY	800	800	(1)	(1)	(1)	(1)	600	600	(1)	(1)	(1)	(1)
OTHER PHYS SCIENCES	400	400	(1)	(1)	(1)	(1)	400	400	(1)	(1)	(1)	(1)
MATH/STATISTICS	4,100	3,700	100	200	100	(1)	3,600	3,200	100	200	(1)	(1)
COMPUTER SCIENCE	5,000	3,800	(1)	800	200	200	4,800	3,700	(1)	700	200	200
ENVIRON SCIENCE	1,700	1,600	(1)	100	(1)	100	1,600	1,500	(1)	100	(1)	100
ENGINEERING	13,800	11,400	300	1,500	300	200	12,700	10,700	300	1,300	300	200
AERO/ASTRO	300	300	(1)	(1)	(1)	(1)	300	300	(1)	(1)	(1)	(1)
CHEMICAL	1,600	1,300	(1)	200	(1)	(1)	1,400	1,100	(1)	200	(1)	(1)
CIVIL	2,000	1,600	100	200	200	(1)	1,900	1,500	100	100	200	(1)
ELECT/ELECTRON	3,800	3,100	100	500	(1)	(1)	3,500	2,900	100	500	(1)	(1)
INDUSTRIAL	900	700	(1)	100	(1)	(1)	900	700	(1)	100	(1)	(1)
MATERIALS	400	300	(1)	100	(1)	(1)	400	300	(1)	(1)	(1)	(1)
MECHANICAL	2,100	1,700	(1)	300	100	100	1,900	1,500	(1)	200	100	100
MINING	100	100	(1)	(1)	(1)	(1)	100	100	(1)	(1)	(1)	(1)
NUCLEAR	300	300	(1)	(1)	(1)	(1)	300	300	(1)	(1)	(1)	(1)
PETROLEUM	100	100	(1)	(1)	(1)	(1)	100	(1)	(1)	(1)	(1)	(1)
OTHER ENGINEERING	2,200	2,100	(1)	(1)	(1)	(1)	2,000	1,900	(1)	(1)	(1)	(1)
LIFE SCIENCES	8,600	8,200	100	100	100	100	7,300	7,000	100	100	100	(1)
BIOLOGY	5,500	5,200	100	100	(1)	100	4,500	4,400	(1)	100	(1)	(1)
AGR SCIENCE	3,200	3,000	(1)	100	100	(1)	2,800	2,600	(1)	(1)	100	(1)
PSYCHOLOGY	3,600	3,400	100	(1)	100	100	3,400	3,200	100	(1)	100	100
SOCIAL SCIENCES	7,100	6,100	700	100	100	(1)	6,200	5,300	600	100	100	(1)
ECONOMICS	1,800	1,600	100	100	100	(1)	1,600	1,400	100	100	100	(1)
SOCIO/ANTHRO	1,800	1,700	(1)	(1)	100	(1)	1,600	1,500	(1)	(1)	(1)	(1)
OTHER SOC SCIENCES	3,600	2,900	600	(1)	(1)	(1)	3,000	2,300	500	(1)	(1)	(1)

TABLE B-30. NUMBER OF 1981 SCIENCE/ENGINEERING MASTER'S-DEGREE RECIPIENTS BY FIELD OF DEGREE, LABOR FORCE STATUS, AND RACE: 1982
(CONTINUED)

FIELD OF DEGREE	UNEMPLOYED/SEEKING EMPLOYMENT						OUTSIDE THE LABOR FORCE					
	TOTAL	WHITE	BLACK	ASIAN	OTHER	NO REPORT	TOTAL	WHITE	BLACK	ASIAN	OTHER	NO REPORT
TOTAL, ALL FIELDS	2,000	1,600	(1)	200	(1)	100	4,900	4,000	100	500	200	100
PHYSICAL SCIENCES	100	100	(1)	(1)	(1)	(1)	500	400	(1)	(1)	(1)	(1)
CHEMISTRY	(1)	(1)	(1)	(1)	(1)	(1)	200	200	(1)	(1)	(1)	(1)
PHYSICS/ASTRONOMY	(1)	(1)	(1)	(1)	(1)	(1)	200	200	(1)	(1)	(1)	(1)
OTHER PHYS SCIENCES	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
MATH/STATISTICS	200	200	(1)	(1)	(1)	(1)	500	400	(1)	(1)	(1)	(1)
COMPUTER SCIENCE	(1)	(1)	(1)	(1)	(1)	(1)	200	100	(1)	100	(1)	(1)
ENVIRON SCIENCE	100	100	(1)	(1)	(1)	(1)	100	100	(1)	(1)	(1)	(1)
ENGINEERING	300	100	(1)	100	(1)	(1)	1,100	800	(1)	300	(1)	(1)
AERO/ASTRO	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
CHEMICAL	100	(1)	(1)	(1)	(1)	(1)	200	100	(1)	100	(1)	(1)
CIVIL	(1)	(1)	(1)	(1)	(1)	(1)	100	(1)	(1)	(1)	(1)	(1)
ELECT/ELECTRON	100	(1)	(1)	(1)	(1)	(1)	300	200	(1)	(1)	(1)	(1)
INDUSTRIAL	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
MATERIALS	(1)	(1)	(1)	(1)	(1)	(1)	100	(1)	(1)	100	(1)	(1)
MECHANICAL	100	(1)	(1)	(1)	(1)	(1)	200	100	(1)	(1)	(1)	(1)
MINING	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
NUCLEAR	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
PETROLEUM	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
OTHER ENGINEERING	100	(1)	(1)	(1)	(1)	(1)	200	200	(1)	(1)	(1)	(1)
LIFE SCIENCES	300	200	(1)	(1)	(1)	(1)	1,300	1,200	(1)	(1)	(1)	(1)
BIOLOGY	200	200	(1)	(1)	(1)	(1)	900	900	(1)	(1)	(1)	(1)
AGR SCIENCE	100	(1)	(1)	(1)	(1)	(1)	400	400	(1)	(1)	(1)	(1)
PSYCHOLOGY	300	300	(1)	(1)	(1)	(1)	200	200	(1)	(1)	(1)	(1)
SOCIAL SCIENCES	600	500	(1)	(1)	(1)	(1)	900	800	(1)	(1)	(1)	(1)
ECONOMICS	100	100	(1)	(1)	(1)	(1)	100	100	(1)	(1)	(1)	(1)
SOCIO/ANTHRO	200	200	(1)	(1)	(1)	(1)	200	100	(1)	(1)	(1)	(1)
OTHER SOC SCIENCES	300	200	(1)	(1)	(1)	(1)	600	600	(1)	(1)	(1)	(1)

(1) TOO FEW CASES TO REPORT.

NOTE: DETAIL MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-31. NUMBER OF 1981 SCIENCE/ENGINEERING MASTER'S-DEGREE RECIPIENTS BY FIELD OF DEGREE, EMPLOYMENT STATUS, AND SEX: 1982

(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE	TOTAL			LABOR FORCE			TOTAL EMPLOYED			EMPLOYED IN SCI/ENG		
	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN
TOTAL, ALL FIELDS	36,900	26,900	10,000	35,800	26,400	9,400	34,100	25,700	8,400	25,100	19,700	5,400
PHYSICAL SCIENCES	1,800	1,400	400	1,700	1,400	300	1,600	1,400	200	1,100	900	200
CHEMISTRY	1,000	700	300	900	700	200	900	700	200	600	400	100
PHYSICS/ASTRONOMY	400	400	(1)	400	400	(1)	400	400	(1)	300	300	(1)
OTHER PHYS SCIENCES	300	300	100	300	300	100	300	300	(1)	200	100	(1)
MATH/STATISTICS	3,300	2,100	1,200	3,200	2,000	1,100	3,000	2,000	1,000	2,000	1,200	900
COMPUTER SCIENCE	4,600	3,400	1,200	4,600	3,400	1,100	4,500	3,400	1,100	3,700	2,700	1,000
ENVIRON SCIENCE	1,400	1,000	400	1,300	1,000	300	1,200	900	300	1,000	800	200
ENGINEERING	11,700	10,600	1,100	11,500	10,400	1,100	11,300	10,200	1,100	9,700	8,900	800
AERO/ASTRO	300	300	(1)	300	300	(1)	300	300	(1)	200	200	(1)
CHEMICAL	1,300	1,100	200	1,300	1,100	200	1,300	1,000	200	800	800	100
CIVIL	1,700	1,600	100	1,700	1,600	100	1,700	1,600	100	1,500	1,400	100
ELECT/ELECTRON	3,100	2,900	200	3,000	2,800	200	3,000	2,800	200	2,600	2,400	200
INDUSTRIAL	800	800	(1)	800	800	(1)	800	800	(1)	800	800	(1)
MATERIALS	400	200	200	300	200	100	300	200	100	200	200	100
MECHANICAL	1,900	1,600	200	1,800	1,600	200	1,700	1,500	200	1,500	1,400	200
MINING	100	100	(1)	100	100	(1)	100	100	(1)	100	100	(1)
NUCLEAR	300	200	(1)	300	200	(1)	300	200	(1)	200	200	(1)
PETROLEUM	100	100	(1)	100	100	(1)	100	100	(1)	100	100	(1)
OTHER ENGINEERING	1,900	1,700	100	1,800	1,700	100	1,800	1,600	100	1,600	1,500	100
LIFE SCIENCES	6,200	3,600	2,600	5,900	3,500	2,400	5,700	3,400	2,300	4,200	2,600	1,500
BIOLOGY	3,800	2,200	1,700	3,700	2,100	1,600	3,500	2,000	1,500	2,500	1,600	1,000
AGR SCIENCE	2,400	1,500	900	2,300	1,400	800	2,200	1,400	800	1,600	1,000	600
PSYCHOLOGY	2,400	1,000	1,400	2,400	1,000	1,400	2,100	1,000	1,100	1,000	500	400
SOCIAL SCIENCES	5,400	3,700	1,700	5,200	3,700	1,600	4,700	3,400	1,200	2,400	2,100	400
ECONOMICS	1,400	1,200	200	1,400	1,200	200	1,300	1,100	200	1,100	1,100	100
SOCIO/ANTHRO	1,400	900	500	1,300	900	400	1,100	800	300	500	400	100
OTHER SOC SCIENCES	2,600	1,600	1,000	2,500	1,600	1,000	2,300	1,600	700	800	700	100

(1) TOO FEW CASES TO REPORT.

NOTE: DETAIL MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-32. NUMBER OF 1981 SCIENCE/ENGINEERING MASTER'S-DEGREE RECIPIENTS BY FIELD OF DEGREE, SEX, AND TYPE OF EMPLOYER: 1982

(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND SEX	TOTAL EMPLOYED	TYPE OF EMPLOYER						
		BUSINESS/ INDUSTRY	EDUCATIONAL INSTITUTIONS	NONPROFIT ORGS	FEDERAL GOVERNMENT	STATE/LOCAL GOVERNMENTS	OTHER	NO REPORT
TOTAL, ALL FIELDS	34,100	20,000	6,000	900	2,200	2,500	2,300	100
MEN	25,700	15,900	3,500	400	1,900	1,900	1,900	100
WOMEN	8,400	4,100	2,500	500	300	600	400	(1)
PHYSICAL SCIENCES	1,600	1,000	400	(1)	100	(1)	(1)	(1)
MEN	1,400	800	400	(1)	100	(1)	(1)	(1)
WOMEN	200	200	(1)	(1)	(1)	(1)	(1)	(1)
CHEMISTRY	900	700	200	(1)	(1)	(1)	(1)	(1)
MEN	700	500	100	(1)	(1)	(1)	(1)	(1)
WOMEN	200	200	(1)	(1)	(1)	(1)	(1)	(1)
PHYSICS/ASTRONOMY	400	200	100	(1)	(1)	(1)	(1)	(1)
MEN	400	200	100	(1)	(1)	(1)	(1)	(1)
WOMEN	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
OTHER PHYS SCIENCES	300	100	100	(1)	(1)	(1)	(1)	(1)
MEN	300	100	100	(1)	(1)	(1)	(1)	(1)
WOMEN	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
MATH/STATISTICS	3,000	1,500	800	100	200	(1)	400	(1)
MEN	2,000	1,000	500	(1)	200	(1)	300	(1)
WOMEN	1,000	600	400	(1)	100	(1)	(1)	(1)
COMPUTER SCIENCE	4,500	3,500	500	100	200	(1)	100	(1)
MEN	3,400	2,600	400	(1)	200	(1)	100	(1)
WOMEN	1,100	900	100	(1)	(1)	(1)	(1)	(1)
ENVIRON SCIENCE	1,200	800	100	(1)	100	100	100	(1)
MEN	900	700	100	(1)	100	100	(1)	(1)
WOMEN	300	200	(1)	(1)	(1)	(1)	(1)	(1)
ENGINEERING	11,300	8,800	500	100	800	500	400	(1)
MEN	10,200	8,000	500	100	700	500	400	(1)
WOMEN	1,100	800	(1)	100	100	(1)	(1)	(1)
AERO/ASTRO	300	100	(1)	(1)	(1)	(1)	100	(1)
MEN	300	100	(1)	(1)	(1)	(1)	100	(1)
WOMEN	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
CHEMICAL	1,300	1,200	(1)	(1)	(1)	(1)	(1)	(1)
MEN	1,000	1,000	(1)	(1)	(1)	(1)	(1)	(1)
WOMEN	200	200	(1)	(1)	(1)	(1)	(1)	(1)
CIVIL	1,700	1,200	100	(1)	100	200	100	(1)
MEN	1,600	1,100	100	(1)	100	200	100	(1)
WOMEN	100	100	(1)	(1)	(1)	(1)	(1)	(1)

TABLE B-32. NUMBER OF 1981 SCIENCE/ENGINEERING MASTER'S-DEGREE RECIPIENTS BY FIELD OF DEGREE, SEX, AND TYPE OF EMPLOYER: 1982
(CONTINUED)
(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND SEX	TOTAL EMPLOYED	TYPE OF EMPLOYER						
		BUSINESS/ INDUSTRY	EDUCATIONAL INSTITUTIONS	NONPROFIT ORGS	FEDERAL GOVERNMENT	STATE/LOCAL GOVERNMENTS	OTHER	NO REPORT
ELECT/ELECTRON	3,000	2,500	200	(1)	200	(1)	(1)	(1)
MEN	2,800	2,400	200	(1)	200	(1)	(1)	(1)
WOMEN	200	200	(1)	(1)	(1)	(1)	(1)	(1)
INDUSTRIAL	800	700	(1)	(1)	100	(1)	(1)	(1)
MEN	800	700	(1)	(1)	100	(1)	(1)	(1)
WOMEN	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
MATERIALS	300	300	(1)	(1)	(1)	(1)	(1)	(1)
MEN	200	200	(1)	(1)	(1)	(1)	(1)	(1)
WOMEN	100	100	(1)	(1)	(1)	(1)	(1)	(1)
MECHANICAL	1,700	1,400	100	100	100	(1)	(1)	(1)
MEN	1,500	1,200	100	(1)	100	(1)	(1)	(1)
WOMEN	200	200	(1)	100	(1)	(1)	(1)	(1)
MINING	100	100	(1)	(1)	(1)	(1)	(1)	(1)
MEN	100	100	(1)	(1)	(1)	(1)	(1)	(1)
WOMEN	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
NUCLEAR	300	200	(1)	(1)	(1)	(1)	(1)	(1)
MEN	200	200	(1)	(1)	(1)	(1)	(1)	(1)
WOMEN	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
PETROLEUM	100	100	(1)	(1)	(1)	(1)	(1)	(1)
MEN	100	100	(1)	(1)	(1)	(1)	(1)	(1)
WOMEN	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
OTHER ENGINEERING	1,800	1,100	100	(1)	200	300	200	(1)
MEN	1,600	1,000	(1)	(1)	100	300	200	(1)
WOMEN	100	100	(1)	(1)	(1)	(1)	(1)	(1)
LIFE SCIENCES	5,700	1,800	2,100	200	500	700	500	(1)
MEN	3,400	1,200	1,000	100	400	500	200	(1)
WOMEN	2,300	600	1,100	100	100	200	300	(1)
BIOLOGY	3,500	900	1,300	100	300	300	500	(1)
MEN	2,000	600	500	100	300	300	200	(1)
WOMEN	1,500	300	800	100	(1)	100	300	(1)
AGR SCIENCE	2,200	900	700	100	100	400	(1)	(1)
MEN	1,400	600	400	(1)	100	200	(1)	(1)
WOMEN	800	300	300	(1)	(1)	100	(1)	(1)

TABLE B-32. NUMBER OF 1981 SCIENCE/ENGINEERING MASTER'S-DEGREE RECIPIENTS BY FIELD OF DEGREE,
(CONTINUED) SEX, AND TYPE OF EMPLOYER: 1982
(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND SEX	TOTAL EMPLOYED	TYPE OF EMPLOYER						
		BUSINESS/ INDUSTRY	EDUCATIONAL INSTITUTIONS	NONPROFIT ORGS	FEDERAL GOVERNMENT	STATE/LOCAL GOVERNMENTS	OTHER	NO REPORT
PSYCHOLOGY	2,100	900	500	100	100	400	200	(1)
MEN	1,000	400	200	(1)	(1)	200	100	(1)
WOMEN	1,100	500	300	100	(1)	200	(1)	(1)
SOCIAL SCIENCES	4,700	1,600	1,200	300	200	700	700	(1)
MEN	3,400	1,300	700	100	200	600	600	(1)
WOMEN	1,200	300	500	200	(1)	100	(1)	(1)
ECONOMICS	1,300	600	400	(1)	100	100	100	(1)
MEN	1,100	500	400	(1)	100	100	100	(1)
WOMEN	200	100	(1)	(1)	(1)	(1)	(1)	(1)
SOCIO/ANTHRO	1,100	200	400	100	(1)	200	300	(1)
MEN	800	200	100	(1)	(1)	200	300	(1)
WOMEN	300	(1)	200	100	(1)	100	(1)	(1)
OTHER SOC SCIENCES	2,300	800	400	200	100	400	300	(1)
MEN	1,600	600	100	100	100	400	300	(1)
WOMEN	700	200	300	100	(1)	100	(1)	(1)

(1) TOO FEW CASES TO REPORT.

NOTE: DETAIL MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-33. NUMBER OF 1981 SCIENCE/ENGINEERING MASTER'S-DEGREE RECIPIENTS BY FIELD OF DEGREE, SEX, AND PRIMARY WORK ACTIVITY: 1982

(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND SEX	TOTAL EMPLOYED	PRIMARY WORK ACTIVITY							
		R & D	MANAGEMENT/ ADMIN	TEACHING	PRODUCTION/ INSPECTION	RPT/STAT/ COMPUTING ACTIVITIES	SALES/ PROF SERV	OTHER	NO REPORT
TOTAL, ALL FIELDS	34,100	13,600	4,700	3,100	3,000	4,900	1,200	3,100	500
MEN	25,700	11,000	3,800	1,500	2,500	3,400	800	2,400	300
WOMEN	8,400	2,700	800	1,500	500	1,500	400	700	200
PHYSICAL SCIENCES	1,600	800	100	300	100	100	100	100	(1)
MEN	1,400	700	100	300	100	100	100	100	(1)
WOMEN	200	200	(1)	(1)	(1)	(1)	(1)	(1)	(1)
CHEMISTRY	900	500	(1)	100	100	100	(1)	(1)	(1)
MEN	700	400	(1)	100	100	100	(1)	(1)	(1)
WOMEN	200	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)
PHYSICS/ASTRONOMY	400	200	(1)	100	(1)	(1)	(1)	(1)	(1)
MEN	400	200	(1)	100	(1)	(1)	(1)	(1)	(1)
WOMEN	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
OTHER PHYS SCIENCES	300	100	(1)	100	(1)	(1)	100	(1)	(1)
MEN	300	100	(1)	100	(1)	(1)	100	(1)	(1)
WOMEN	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
MATH/STATISTICS	3,000	700	400	700	(1)	800	100	200	(1)
MEN	2,000	500	300	400	(1)	500	100	200	(1)
WOMEN	1,000	200	(1)	300	(1)	300	(1)	100	(1)
COMPUTER SCIENCE	4,500	1,700	600	100	100	1,800	(1)	200	(1)
MEN	3,400	1,300	600	100	100	1,200	(1)	100	(1)
WOMEN	1,100	500	(1)	(1)	(1)	600	(1)	(1)	(1)
ENVIRON SCIENCE	1,200	800	100	100	100	100	(1)	100	(1)
MEN	900	600	(1)	100	100	100	(1)	(1)	(1)
WOMEN	300	100	(1)	(1)	(1)	100	(1)	(1)	(1)
ENGINEERING	11,300	6,400	1,100	200	1,200	1,000	100	1,100	100
MEN	10,200	5,800	1,100	200	1,100	900	100	1,000	100
WOMEN	1,100	600	(1)	(1)	200	100	(1)	100	(1)
AERO/ASTRO	300	100	100	100	(1)	(1)	(1)	(1)	(1)
MEN	300	100	100	100	(1)	(1)	(1)	(1)	(1)
WOMEN	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
CHEMICAL	1,300	900	(1)	(1)	200	100	(1)	(1)	(1)
MEN	1,000	700	(1)	(1)	200	100	(1)	(1)	(1)
WOMEN	200	200	(1)	(1)	(1)	(1)	(1)	(1)	(1)
CIVIL	1,700	700	200	(1)	200	200	(1)	400	(1)
MEN	1,600	600	200	(1)	200	200	(1)	400	(1)
WOMEN	100	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)

TABLE B-33. NUMBER OF 1981 SCIENCE/ENGINEERING MASTER'S-DEGREE RECIPIENTS BY FIELD OF DEGREE,
(CONTINUED) SEX, AND PRIMARY WORK ACTIVITY: 1982
(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND SEX	TOTAL EMPLOYED	PRIMARY WORK ACTIVITY							
		R & D	MANAGEMENT/ ADMIN	TEACHING	PRODUCTION/ INSPECTION	RPT/STAT/ COMPUTING ACTIVITIES	SALES/ PROF SERV	OTHER	NO REPORT
ELECT/ELECTRON	3,000	2,200	200	(1)	200	300	(1)	(1)	100
MEN	2,800	2,000	200	(1)	100	200	(1)	(1)	100
WOMEN	200	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)
INDUSTRIAL	800	300	200	(1)	200	(1)	100	100	(1)
MEN	800	300	200	(1)	100	(1)	100	100	(1)
WOMEN	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
MATERIALS	300	300	(1)	(1)	(1)	(1)	(1)	(1)	(1)
MEN	200	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)
WOMEN	100	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)
MECHANICAL	1,700	1,100	100	(1)	200	200	(1)	200	(1)
MEN	1,500	900	100	(1)	100	200	(1)	200	(1)
WOMEN	200	100	(1)	(1)	100	(1)	(1)	(1)	(1)
MINING	100	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)
MEN	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
WOMEN	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
NUCLEAR	300	100	100	(1)	(1)	(1)	(1)	(1)	(1)
MEN	200	100	100	(1)	(1)	(1)	(1)	(1)	(1)
WOMEN	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
PETROLEUM	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
MEN	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
WOMEN	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
OTHER ENGINEERING	1,800	700	400	(1)	300	200	(1)	300	(1)
MEN	1,600	700	300	(1)	300	200	(1)	200	(1)
WOMEN	100	(1)	(1)	(1)	(1)	(1)	(1)	100	(1)
LIFE SCIENCES	5,700	2,000	800	1,000	900	300	300	300	100
MEN	3,400	1,300	700	400	600	100	100	200	(1)
WOMEN	2,300	800	100	600	300	200	200	100	(1)
BIOLOGY	3,500	1,400	500	600	600	100	200	100	(1)
MEN	2,000	900	400	200	400	(1)	(1)	100	(1)
WOMEN	1,500	500	100	400	200	100	200	(1)	(1)
AGR SCIENCE	2,200	600	400	400	400	100	100	100	(1)
MEN	1,400	400	300	100	200	100	100	100	(1)
WOMEN	800	300	100	300	100	100	(1)	(1)	(1)

TABLE B-33. NUMBER OF 1981 SCIENCE/ENGINEERING MASTER'S-DEGREE RECIPIENTS BY FIELD OF DEGREE, SEX, AND PRIMARY WORK ACTIVITY: 1982
(CONTINUED)

(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND SEX	TOTAL EMPLOYED	PRIMARY WORK ACTIVITY							
		R & D	MANAGEMENT/ ADMIN	TEACHING	PRODUCTION/ INSPECTION	RPT/STAT/ COMPUTING ACTIVITIES	SALES/ PROF SERV	OTHER	NO REPORT
PSYCHOLOGY	2,100	200	400	300	(1)	200	400	300	100
MEN	1,000	200	300	100	(1)	100	300	100	(1)
WOMEN	1,100	(1)	200	300	(1)	100	200	200	100
SOCIAL SCIENCES	4,700	900	1,100	300	500	700	200	800	100
MEN	3,400	700	800	100	500	500	100	600	100
WOMEN	1,200	200	400	200	(1)	200	(1)	100	(1)
ECONOMICS	1,300	400	300	(1)	(1)	400	(1)	200	(1)
MEN	1,100	400	300	(1)	(1)	200	(1)	200	(1)
WOMEN	200	(1)	(1)	(1)	(1)	100	(1)	(1)	(1)
SOCIO/ANTHRO	1,100	300	300	(1)	300	100	100	100	100
MEN	800	200	100	(1)	300	100	100	(1)	100
WOMEN	300	100	200	(1)	(1)	(1)	(1)	100	(1)
OTHER SOC SCIENCES	2,300	300	600	300	200	300	100	500	(1)
MEN	1,600	200	400	100	200	200	100	400	(1)
WOMEN	700	100	200	200	(1)	100	(1)	100	(1)

(1) TOO FEW CASES TO REPORT.

NOTE: DETAIL MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-34. NUMBER OF 1981 SCIENCE/ENGINEERING MASTER'S-DEGREE RECIPIENTS BY FIELD OF DEGREE, TYPE OF EMPLOYER, AND PRIMARY WORK ACTIVITY: 1982

(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND TYPE OF EMPLOYER	TOTAL EMPLOYED	PRIMARY WORK ACTIVITY							
		R & D	MANAGEMENT/ ADMIN	TEACHING	PRODUCTION/ INSPECTION	RPT/STAT/ COMPUTING ACTIVITIES	SALES/ PROF SERV	OTHER	NO REPORT
TOTAL, ALL FIELDS	34,100	13,600	4,700	3,100	3,000	4,900	1,200	3,100	500
BUSINESS/INDUSTRY	20,000	9,700	1,800	100	1,900	3,200	700	2,400	300
EDUCATIONAL INSTS	6,000	1,700	700	2,500	100	600	200	100	(1)
NONPROFIT ORGS	900	200	300	100	100	100	(1)	100	(1)
FEDERAL GOVT	2,200	1,100	600	(1)	200	300	(1)	(1)	(1)
STATE/LOCAL GOVT	2,500	700	600	100	400	500	100	200	(1)
OTHER	2,300	200	700	300	300	200	300	200	100
NO REPORT	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)	100
PHYSICAL SCIENCES	1,600	800	100	300	100	100	100	100	(1)
BUSINESS/INDUSTRY	1,000	700	(1)	(1)	100	100	100	(1)	(1)
EDUCATIONAL INSTS	400	(1)	(1)	300	(1)	(1)	(1)	(1)	(1)
NONPROFIT ORGS	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
FEDERAL GOVT	100	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)
STATE/LOCAL GOVT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
OTHER	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
MATH/STATISTICS	3,000	700	400	700	(1)	800	100	200	(1)
BUSINESS/INDUSTRY	1,500	500	200	(1)	(1)	600	100	200	(1)
EDUCATIONAL INSTS	800	(1)	(1)	600	(1)	100	(1)	(1)	(1)
NONPROFIT ORGS	100	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)
FEDERAL GOVT	200	100	200	(1)	(1)	(1)	(1)	(1)	(1)
STATE/LOCAL GOVT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
OTHER	400	100	100	100	(1)	100	(1)	(1)	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
COMPUTER SCIENCE	4,500	1,700	600	100	100	1,800	(1)	200	(1)
BUSINESS/INDUSTRY	3,500	1,500	400	(1)	100	1,400	(1)	200	(1)
EDUCATIONAL INSTS	500	100	100	100	(1)	200	(1)	(1)	(1)
NONPROFIT ORGS	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
FEDERAL GOVT	200	100	(1)	(1)	(1)	100	(1)	(1)	(1)
STATE/LOCAL GOVT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
OTHER	100	(1)	100	(1)	(1)	(1)	(1)	(1)	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
ENVIRON SCIENCE	1,200	800	100	100	100	100	(1)	100	(1)
BUSINESS/INDUSTRY	800	600	(1)	(1)	100	100	(1)	(1)	(1)
EDUCATIONAL INSTS	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
NONPROFIT ORGS	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
FEDERAL GOVT	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
STATE/LOCAL GOVT	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
OTHER	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)

TABLE B-34. NUMBER OF 1981 SCIENCE/ENGINEERING MASTER'S-DEGREE RECIPIENTS BY FIELD OF DEGREE,
(CONTINUED) TYPE OF EMPLOYER, AND PRIMARY WORK ACTIVITY: 1982
(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND TYPE OF EMPLOYER	TOTAL EMPLOYED	PRIMARY WORK ACTIVITY							
		R & D	MANAGEMENT/ ADMIN	TEACHING	PRODUCTION/ INSPECTION	RPT/STAT/ COMPUTING ACTIVITIES	SALES/ PROF SERV	OTHER	NO REPORT
ENGINEERING	11,300	6,400	1,100	200	1,200	1,000	100	1,100	100
BUSINESS/INDUSTRY	8,800	5,600	500	(1)	800	700	100	1,000	100
EDUCATIONAL INSTS	500	200	100	200	(1)	(1)	(1)	(1)	(1)
NONPROFIT ORGS	100	(1)	(1)	(1)	100	(1)	(1)	(1)	(1)
FEDERAL GOVT	800	400	200	(1)	100	100	(1)	(1)	(1)
STATE/LOCAL GOVT	500	100	100	(1)	200	100	(1)	(1)	(1)
OTHER	400	(1)	200	(1)	100	(1)	(1)	100	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
LIFE SCIENCES	5,700	2,000	800	1,000	900	300	300	300	100
BUSINESS/INDUSTRY	1,800	600	300	(1)	600	100	100	100	(1)
EDUCATIONAL INSTS	2,100	900	100	800	100	100	100	(1)	(1)
NONPROFIT ORGS	200	(1)	100	(1)	(1)	(1)	(1)	(1)	(1)
FEDERAL GOVT	500	300	100	(1)	(1)	100	(1)	(1)	(1)
STATE/LOCAL GOVT	700	200	100	100	100	(1)	(1)	(1)	(1)
OTHER	500	100	100	100	(1)	(1)	200	(1)	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
PSYCHOLOGY	2,100	200	400	300	(1)	200	400	300	100
BUSINESS/INDUSTRY	900	(1)	200	(1)	(1)	(1)	200	200	100
EDUCATIONAL INSTS	500	(1)	100	200	(1)	100	100	(1)	(1)
NONPROFIT ORGS	100	(1)	(1)	100	(1)	(1)	(1)	(1)	(1)
FEDERAL GOVT	100	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)
STATE/LOCAL GOVT	400	100	100	(1)	(1)	(1)	(1)	100	(1)
OTHER	200	(1)	(1)	(1)	(1)	(1)	100	(1)	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
SOCIAL SCIENCES	4,700	900	1,100	300	500	700	200	800	100
BUSINESS/INDUSTRY	1,600	200	200	(1)	200	300	100	500	(1)
EDUCATIONAL INSTS	1,200	400	300	300	(1)	100	(1)	100	(1)
NONPROFIT ORGS	300	(1)	100	(1)	(1)	(1)	(1)	100	(1)
FEDERAL GOVT	200	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)
STATE/LOCAL GOVT	700	200	300	(1)	(1)	200	100	(1)	(1)
OTHER	700	(1)	300	(1)	200	100	(1)	(1)	100
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)

(1) TOO FEW CASES TO REPORT.

NOTE: DETAIL MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-35. NUMBER OF 1981 SCIENCE/ENGINEERING MASTER'S-DEGREE RECIPIENTS BY FIELD OF DEGREE AND FIELD OF EMPLOYMENT: 1982

(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE	TOTAL EMPLOYED	NON S/E EMPLOYED	SCI/ENG EMPLOYED	S/E FIELD OF EMPLOYMENT					
				CHEMISTRY	PHYSICS/ ASTRONOMY	OTHER PHYSICAL SCIENCES	MATH/ STAT	COMPUTER SCIENCE	ENVIRON SCIENCE
TOTAL, ALL FIELDS	34,100	9,100	25,100	800	200	200	1,200	5,300	900
PHYSICAL SCIENCES	1,600	500	1,100	400	200	100	(1)	(1)	(1)
CHEMISTRY	900	300	600	400	(1)	(1)	(1)	(1)	(1)
PHYSICS/ASTRONOMY	400	(1)	300	(1)	200	(1)	(1)	(1)	(1)
OTHER PHYS SCIENCES	300	200	200	(1)	(1)	(1)	(1)	(1)	(1)
MATH/STATISTICS	3,000	1,000	2,000	(1)	(1)	(1)	800	700	(1)
COMPUTER SCIENCE	4,500	800	3,700	(1)	(1)	(1)	(1)	3,400	(1)
ENVIRON SCIENCE	1,200	200	1,000	(1)	(1)	(1)	(1)	(1)	800
ENGINEERING	11,300	1,600	9,700	(1)	(1)	(1)	300	500	(1)
AERO/ASTRO	300	(1)	200	(1)	(1)	(1)	(1)	(1)	(1)
CHEMICAL	1,300	400	800	(1)	(1)	(1)	(1)	(1)	(1)
CIVIL	1,700	200	1,500	(1)	(1)	(1)	(1)	(1)	(1)
ELECT/ELECTRON	3,000	400	2,600	(1)	(1)	(1)	(1)	300	(1)
INDUSTRIAL	800	(1)	800	(1)	(1)	(1)	200	(1)	(1)
MATERIALS	300	100	200	(1)	(1)	(1)	(1)	(1)	(1)
MECHANICAL	1,700	200	1,500	(1)	(1)	(1)	(1)	(1)	(1)
MINING	100	(1)	100	(1)	(1)	(1)	(1)	(1)	(1)
NUCLEAR	300	(1)	200	(1)	(1)	(1)	(1)	(1)	(1)
PETROLEUM	100	(1)	100	(1)	(1)	(1)	(1)	(1)	(1)
OTHER ENGINEERING	1,800	200	1,600	(1)	(1)	(1)	100	100	(1)
LIFE SCIENCES	5,700	1,600	4,200	300	(1)	(1)	100	100	(1)
BIOLOGY	3,500	1,000	2,500	300	(1)	(1)	(1)	(1)	(1)
AGR SCIENCE	2,200	600	1,600	100	(1)	(1)	100	(1)	(1)
PSYCHOLOGY	2,100	1,200	1,000	(1)	(1)	(1)	(1)	400	(1)
SOCIAL SCIENCES	4,700	2,200	2,400	(1)	(1)	(1)	(1)	200	(1)
ECONOMICS	1,300	100	1,100	(1)	(1)	(1)	(1)	100	(1)
SOCIO/ANTHRO	1,100	600	500	(1)	(1)	(1)	(1)	(1)	(1)
OTHER SOC SCIENCES	2,300	1,500	800	(1)	(1)	(1)	(1)	100	(1)

TABLE B-35. NUMBER OF 1981 SCIENCE/ENGINEERING MASTER'S-DEGREE RECIPIENTS BY FIELD OF DEGREE
(CONTINUED) AND FIELD OF EMPLOYMENT: 1982
(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

	S/E FIELD OF EMPLOYMENT						
FIELD OF DEGREE	ENGINEERING	BIOLOGY	AGRICULTURAL SCIENCE	PSYCHOLOGY	ECONOMICS	SOCIOLOGY/ ANTHROPOLOGY	OTHER SOCIAL SCIENCES
TOTAL, ALL FIELDS	10,200	2,000	1,400	500	1,100	600	500
PHYSICAL SCIENCES	300	(1)	(1)	(1)	(1)	(1)	(1)
CHEMISTRY	100	(1)	(1)	(1)	(1)	(1)	(1)
PHYSICS/ASTRONOMY	100	(1)	(1)	(1)	(1)	(1)	(1)
OTHER PHYS SCIENCES	100	(1)	(1)	(1)	(1)	(1)	(1)
MATH/STATISTICS	500	(1)	(1)	(1)	(1)	(1)	(1)
COMPUTER SCIENCE	300	(1)	(1)	(1)	(1)	(1)	(1)
ENVIRON SCIENCE	100	(1)	(1)	(1)	(1)	(1)	(1)
ENGINEERING	8,800	(1)	100	(1)	(1)	(1)	(1)
AERO/ASTRO	200	(1)	(1)	(1)	(1)	(1)	(1)
CHEMICAL	800	(1)	(1)	(1)	(1)	(1)	(1)
CIVIL	1,400	(1)	(1)	(1)	(1)	(1)	(1)
ELECT/ELECTRON	2,200	(1)	(1)	(1)	(1)	(1)	(1)
INDUSTRIAL	700	(1)	(1)	(1)	(1)	(1)	(1)
MATERIALS	200	(1)	(1)	(1)	(1)	(1)	(1)
MECHANICAL	1,500	(1)	(1)	(1)	(1)	(1)	(1)
MINING	100	(1)	(1)	(1)	(1)	(1)	(1)
NUCLEAR	200	(1)	(1)	(1)	(1)	(1)	(1)
PETROLEUM	100	(1)	(1)	(1)	(1)	(1)	(1)
OTHER ENGINEERING	1,400	(1)	(1)	(1)	(1)	(1)	(1)
LIFE SCIENCES	300	2,000	1,200	(1)	(1)	(1)	(1)
BIOLOGY	300	1,700	100	(1)	(1)	(1)	(1)
AGR SCIENCE	(1)	200	1,100	(1)	(1)	(1)	(1)
PSYCHOLOGY	(1)	(1)	(1)	500	(1)	(1)	100
SOCIAL SCIENCES	100	(1)	100	(1)	1,100	600	400
ECONOMICS	100	(1)	(1)	(1)	1,000	(1)	(1)
SOCIO/ANTHRO	(1)	(1)	(1)	(1)	(1)	400	100
OTHER SOC SCIENCES	(1)	(1)	100	(1)	100	200	400

(1) TOO FEW CASES TO REPORT.

NOTE: DETAIL MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-36. NUMBER OF 1981 SCIENCE/ENGINEERING MASTER'S-DEGREE RECIPIENTS EMPLOYED IN S/E JOBS BY FIELD OF DEGREE, TYPE OF EMPLOYER, AND PRIMARY WORK ACTIVITY: 1982
(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND TYPE OF EMPLOYER	TOTAL S/E EMPLOYED	PRIMARY WORK ACTIVITY							
		R & D	MANAGEMENT/ ADMIN	TEACHING	PRODUCTION/ INSPECTION	RPT/STAT/ COMPUTING ACTIVITIES	SALES/ PROF SERV	OTHER	NO REPORT
TOTAL, ALL FIELDS	25,100	11,800	3,100	1,200	2,200	4,100	600	2,000	(1)
BUSINESS/INDUSTRY	16,000	8,300	1,300	100	1,500	2,700	300	1,800	(1)
EDUCATIONAL INSTS	3,500	1,500	400	900	100	400	(1)	(1)	(1)
NONPROFIT ORGS	600	200	100	(1)	(1)	100	(1)	100	(1)
FEDERAL GOVT	2,000	1,000	500	(1)	100	300	(1)	(1)	(1)
STATE/LOCAL GOVT	2,100	700	400	(1)	300	400	100	100	(1)
OTHER	1,000	200	300	(1)	100	200	100	(1)	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
PHYSICAL SCIENCES	1,100	600	100	100	100	100	(1)	(1)	(1)
BUSINESS/INDUSTRY	700	500	(1)	(1)	100	100	(1)	(1)	(1)
EDUCATIONAL INSTS	200	(1)	(1)	100	(1)	(1)	(1)	(1)	(1)
NONPROFIT ORGS	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
FEDERAL GOVT	100	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)
STATE/LOCAL GOVT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
OTHER	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
MATH/STATISTICS	2,000	700	200	300	(1)	600	(1)	200	(1)
BUSINESS/INDUSTRY	1,200	500	(1)	(1)	(1)	500	(1)	200	(1)
EDUCATIONAL INSTS	300	(1)	(1)	200	(1)	(1)	(1)	(1)	(1)
NONPROFIT ORGS	100	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)
FEDERAL GOVT	200	100	200	(1)	(1)	(1)	(1)	(1)	(1)
STATE/LOCAL GOVT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
OTHER	200	100	(1)	(1)	(1)	100	(1)	(1)	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
COMPUTER SCIENCE	3,700	1,500	500	100	100	1,600	(1)	100	(1)
BUSINESS/INDUSTRY	2,900	1,200	300	(1)	100	1,200	(1)	100	(1)
EDUCATIONAL INSTS	400	100	100	100	(1)	200	(1)	(1)	(1)
NONPROFIT ORGS	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
FEDERAL GOVT	200	100	(1)	(1)	(1)	100	(1)	(1)	(1)
STATE/LOCAL GOVT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
OTHER	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
ENVIRON SCIENCE	1,000	700	(1)	(1)	100	100	(1)	(1)	(1)
BUSINESS/INDUSTRY	700	600	(1)	(1)	(1)	100	(1)	(1)	(1)
EDUCATIONAL INSTS	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
NONPROFIT ORGS	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
FEDERAL GOVT	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
STATE/LOCAL GOVT	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
OTHER	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)

TABLE B-36. NUMBER OF 1981 SCIENCE/ENGINEERING MASTER'S-DEGREE RECIPIENTS EMPLOYED IN S/E JOBS
(CONTINUED) BY FIELD OF DEGREE, TYPE OF EMPLOYER, AND PRIMARY WORK ACTIVITY: 1982
(EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND TYPE OF EMPLOYER	TOTAL S/E EMPLOYED	PRIMARY WORK ACTIVITY							
		R & D	MANAGEMENT/ ADMIN	TEACHING	PRODUCTION/ INSPECTION	RPT/STAT/ COMPUTING ACTIVITIES	SALES/ PROF SERV	OTHER	NO REPORT
ENGINEERING	9,700	5,500	1,100	100	1,000	800	100	1,100	(1)
BUSINESS/INDUSTRY	7,600	4,800	500	(1)	700	600	100	1,000	(1)
EDUCATIONAL INSTS	400	200	(1)	100	(1)	(1)	(1)	(1)	(1)
NONPROFIT ORGS	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
FEDERAL GOVT	700	400	200	(1)	100	100	(1)	(1)	(1)
STATE/LOCAL GOVT	500	100	100	(1)	200	100	(1)	(1)	(1)
OTHER	400	(1)	200	(1)	100	(1)	(1)	(1)	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
LIFE SCIENCES	4,200	1,800	600	400	700	300	200	100	(1)
BUSINESS/INDUSTRY	1,500	500	200	(1)	500	100	100	100	(1)
EDUCATIONAL INSTS	1,300	700	100	300	100	100	(1)	(1)	(1)
NONPROFIT ORGS	200	(1)	100	(1)	(1)	(1)	(1)	(1)	(1)
FEDERAL GOVT	500	300	100	(1)	(1)	100	(1)	(1)	(1)
STATE/LOCAL GOVT	600	200	100	(1)	100	(1)	(1)	(1)	(1)
OTHER	200	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
PSYCHOLOGY	1,000	200	200	100	(1)	100	300	100	(1)
BUSINESS/INDUSTRY	400	(1)	(1)	(1)	(1)	(1)	200	100	(1)
EDUCATIONAL INSTS	200	(1)	100	100	(1)	100	(1)	(1)	(1)
NONPROFIT ORGS	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
FEDERAL GOVT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
STATE/LOCAL GOVT	200	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)
OTHER	100	(1)	(1)	(1)	(1)	(1)	100	(1)	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
SOCIAL SCIENCES	2,400	800	600	(1)	200	500	100	300	(1)
BUSINESS/INDUSTRY	900	200	100	(1)	200	200	(1)	200	(1)
EDUCATIONAL INSTS	600	300	100	(1)	(1)	100	(1)	(1)	(1)
NONPROFIT ORGS	200	(1)	(1)	(1)	(1)	(1)	(1)	100	(1)
FEDERAL GOVT	100	100	(1)	(1)	(1)	(1)	(1)	(1)	(1)
STATE/LOCAL GOVT	600	200	200	(1)	(1)	200	100	(1)	(1)
OTHER	100	(1)	(1)	(1)	(1)	100	(1)	(1)	(1)
NO REPORT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)

(1) TOO FEW CASES TO REPORT.

NOTE: DETAIL MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-37. MEDIAN ANNUAL SALARIES OF RECENT SCIENCE/ENGINEERING BACHELOR'S-DEGREE RECIPIENTS BY FIELD OF DEGREE, S/E EMPLOYMENT STATUS, SEX, AND RACE: 1982
(COMBINED 1980/1981 GRADUATES, EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND S/E EMPLOYMENT STATUS	TOTAL	SEX		RACE		
		MALE	FEMALE	WHITE	BLACK	ASIAN
TOTAL, ALL FIELDS	$20,000	$22,900	$15,000	$20,000	$15,000	$24,000
S/E EMPLOYED	24,000	25,000	19,000	24,000	17,700	25,000
NON-S/E EMPLOYED	14,400	15,200	12,800	14,500	12,700	13,000
PHYSICAL SCIENCES	21,000	22,000	19,500	21,500	(1)	(1)
S/E EMPLOYED	22,400	23,000	20,000	22,500	(1)	(1)
NON-S/E EMPLOYED	15,800	17,000	(1)	15,800	(1)	(1)
CHEMISTRY	20,000	21,000	19,500	20,600	(1)	(1)
S/E EMPLOYED	21,600	22,000	20,800	22,000	(1)	(1)
NON-S/E EMPLOYED	15,800	18,000	(1)	18,000	(1)	(1)
PHYSICS/ASTRONOMY	25,000	25,000	(1)	25,000	(1)	(1)
S/E EMPLOYED	25,000	26,000	(1)	25,000	(1)	(1)
NON-S/E EMPLOYED	(1)	(1)	(1)	(1)	(1)	(1)
OTHER PHYS SCIENCES	15,000	15,600	(1)	15,000	(1)	(1)
S/E EMPLOYED	21,000	(1)	(1)	21,000	(1)	(1)
NON-S/E EMPLOYED	(1)	(1)	(1)	(1)	(1)	(1)
MATH/STATISTICS	21,600	22,400	20,000	21,600	(1)	(1)
S/E EMPLOYED	23,000	23,000	22,800	23,000	(1)	(1)
NON-S/E EMPLOYED	13,000	14,700	12,100	13,000	(1)	(1)
COMPUTER SCIENCE	25,000	25,000	24,300	25,000	23,000	26,400
S/E EMPLOYED	25,000	25,300	24,500	25,000	24,000	26,400
NON-S/E EMPLOYED	23,200	24,400	(1)	24,400	(1)	(1)
ENVIRON SCIENCE	20,000	22,000	16,000	20,000	(1)	(1)
S/E EMPLOYED	22,000	23,000	18,500	22,000	(1)	(1)
NON-S/E EMPLOYED	13,000	15,500	9,000	13,000	(1)	(1)
ENGINEERING	27,000	27,000	27,300	27,000	26,000	27,000
S/E EMPLOYED	27,000	27,000	27,500	27,000	26,000	26,400
NON-S/E EMPLOYED	25,000	25,000	26,000	25,000	(1)	(1)
AERO/ASTRO	(1)	(1)	(1)	(1)	(1)	(1)
S/E EMPLOYED	(1)	(1)	(1)	(1)	(1)	(1)
NON-S/E EMPLOYED	(1)	(1)	(1)	(1)	(1)	(1)
CHEMICAL	28,600	28,600	28,500	28,600	(1)	(1)
S/E EMPLOYED	28,800	28,800	28,800	28,800	(1)	(1)
NON-S/E EMPLOYED	26,300	26,000	(1)	26,500	(1)	(1)
CIVIL	25,000	24,600	25,300	24,800	(1)	(1)
S/E EMPLOYED	25,000	24,700	25,300	24,800	(1)	(1)
NON-S/E EMPLOYED	25,000	24,000	(1)	25,000	(1)	(1)

TABLE B-37. MEDIAN ANNUAL SALARIES OF RECENT SCIENCE/ENGINEERING BACHELOR'S-DEGREE RECIPIENTS BY FIELD OF DEGREE, S/E EMPLOYMENT STATUS, SEX, AND RACE: 1982
(CONTINUED)
(COMBINED 1980/1981 GRADUATES, EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND S/E EMPLOYMENT STATUS	TOTAL	SEX		RACE		
		MALE	FEMALE	WHITE	BLACK	ASIAN
ELECT/ELECTRON	27,000	27,000	27,300	27,000	(1)	27,400
S/E EMPLOYED	27,000	27,000	27,500	27,000	(1)	27,400
NON-S/E EMPLOYED	26,600	26,600	(1)	26,300	(1)	(1)
INDUSTRIAL	27,000	26,300	(1)	26,500	(1)	(1)
S/E EMPLOYED	27,500	26,500	(1)	27,000	(1)	(1)
NON-S/E EMPLOYED	(1)	(1)	(1)	(1)	(1)	(1)
MATERIALS	27,000	26,700	28,000	27,000	(1)	(1)
S/E EMPLOYED	27,000	26,700	28,000	27,000	(1)	(1)
NON-S/E EMPLOYED	(1)	(1)	(1)	(1)	(1)	(1)
MECHANICAL	27,000	27,000	27,000	27,000	(1)	(1)
S/E EMPLOYED	27,000	27,000	27,000	27,000	(1)	(1)
NON-S/E EMPLOYED	27,000	27,000	(1)	27,000	(1)	(1)
MINING	27,000	27,000	(1)	27,500	(1)	(1)
S/E EMPLOYED	27,500	27,000	(1)	27,500	(1)	(1)
NON-S/E EMPLOYED	(1)	(1)	(1)	(1)	(1)	(1)
NUCLEAR	28,500	29,400	(1)	29,000	(1)	(1)
S/E EMPLOYED	28,500	29,400	(1)	29,200	(1)	(1)
NON-S/E EMPLOYED	(1)	(1)	(1)	(1)	(1)	(1)
PETROLEUM	35,000	35,000	(1)	35,000	(1)	(1)
S/E EMPLOYED	35,000	35,000	(1)	35,000	(1)	(1)
NON-S/E EMPLOYED	(1)	(1)	(1)	(1)	(1)	(1)
OTHER ENGINEERING	25,000	25,000	25,000	25,000	(1)	(1)
S/E EMPLOYED	26,000	26,000	(1)	26,000	(1)	(1)
NON-S/E EMPLOYED	(1)	(1)	(1)	(1)	(1)	(1)
LIFE SCIENCES	14,900	15,000	14,000	15,000	(1)	(1)
S/E EMPLOYED	15,000	15,000	14,000	15,000	(1)	(1)
NON-S/E EMPLOYED	14,000	14,400	13,500	14,400	(1)	(1)
BIOLOGY	14,600	15,000	14,100	15,000	(1)	(1)
S/E EMPLOYED	15,000	15,600	14,100	15,000	(1)	(1)
NON-S/E EMPLOYED	14,100	14,100	14,200	14,600	(1)	(1)

TABLE B-37. MEDIAN ANNUAL SALARIES OF RECENT SCIENCE/ENGINEERING BACHELOR'S-DEGREE RECIPIENTS BY FIELD OF DEGREE,
(CONTINUED) S/E EMPLOYMENT STATUS, SEX, AND RACE: 1982
(COMBINED 1980/1981 GRADUATES, EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND S/E EMPLOYMENT STATUS	TOTAL	SEX		RACE		
		MALE	FFMALE	WHITE	BLACK	ASIAN
AGR SCIENCE	15,000	15,000	13,200	15,000	(1)	(1)
S/E EMPLOYED	15,000	15,000	14,000	15,000	(1)	(1)
NON-S/E EMPLOYED	12,500	15,000	12,000	13,400	(1)	(1)
PSYCHOLOGY	13,000	15,000	12,400	13,000	14,000	(1)
S/E EMPLOYED	15,000	17,000	12,000	15,000	(1)	(1)
NON-S/E EMPLOYED	12,500	13,500	12,500	12,700	(1)	(1)
SOCIAL SCIENCES	15,000	16,000	13,700	15,200	12,000	(1)
S/E EMPLOYED	16,500	17,000	16,300	17,000	(1)	(1)
NON-S/E EMPLOYED	14,500	15,200	12,500	14,700	(1)	(1)
ECONOMICS	18,000	18,700	16,000	18,000	(1)	(1)
S/E EMPLOYED	19,000	19,000	(1)	19,000	(1)	(1)
NON-S/E EMPLOYED	18,000	18,000	15,000	18,000	(1)	(1)
SOCIO/ANTHRO	13,200	15,000	11,500	13,000	(1)	(1)
S/E EMPLOYED	15,100	16,000	15,100	16,000	(1)	(1)
NON-S/E EMPLOYED	12,000	14,500	10,500	12,000	(1)	(1)
OTHER SOC SCIENCES	15,000	15,000	14,400	15,000	(1)	(1)
S/E EMPLOYED	15,500	15,300	16,500	16,500	(1)	(1)
NON-S/E EMPLOYED	14,000	14,400	14,000	14,400	(1)	(1)

(1) NO MEDIAN COMPUTED FOR GROUPS WITH FEWER THAN 20 INDIVIDUALS REPORTING SALARY.

NOTE: MEDIAN SALARIES COMPUTED ONLY FOR FULL-TIME EMPLOYED CIVILIANS.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-38. MEDIAN ANNUAL SALARIES OF RECENT SCIENCE/ENGINEERING BACHELOR'S-DEGREE RECIPIENTS BY FIELD OF DEGREE AND TYPE OF EMPLOYER: 1982
(COMBINED 1980/1981 GRADUATES, EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE	TOTAL	BUSINESS INDUSTRY	EDUCATIONAL INSTITUTIONS	NONPROFIT ORGS	FEDERAL GOVERNMENT	STATE/LOCAL GOVERNMENTS	OTHER
TOTAL, ALL FIELDS	$20,000	$22,900	$13,000	$12,100	$21,000	$15,100	$15,000
PHYSICAL SCIENCES	21,000	22,500	12,600	(1)	(1)	(1)	(1)
CHEMISTRY	20,000	22,000	(1)	(1)	(1)	(1)	(1)
PHYSICS/ASTRONOMY	25,000	24,600	(1)	(1)	(1)	(1)	(1)
OTHER PHYS SCIENCES	15,000	15,000	(1)	(1)	(1)	(1)	(1)
MATH/STATISTICS	22,000	23,000	13,000	(1)	(1)	(1)	(1)
COMPUTER SCIENCE	25,000	25,300	22,400	(1)	(1)	(1)	(1)
ENVIRON SCIENCE	20,000	24,000	(1)	(1)	(1)	17,000	(1)
ENGINEERING	27,000	27,000	18,300	24,000	25,000	22,000	23,000
AERO/ASTRO	(1)	(1)	(1)	(1)	(1)	(1)	(1)
CHEMICAL	28,600	28,900	(1)	(1)	(1)	(1)	(1)
CIVIL	24,900	25,000	(1)	(1)	25,000	21,600	(1)
ELECT/ELECTRON	27,000	27,000	(1)	(1)	27,700	(1)	(1)
INDUSTRIAL	27,000	28,000	(1)	(1)	(1)	(1)	(1)
MATERIALS	27,000	27,000	(1)	(1)	(1)	(1)	(1)
MECHANICAL	27,000	27,200	(1)	(1)	25,000	(1)	(1)
MINING	27,000	27,500	(1)	(1)	(1)	(1)	(1)
NUCLEAR	28,500	29,400	(1)	(1)	(1)	(1)	(1)
PETROLEUM	35,000	35,400	(1)	(1)	(1)	(1)	(1)
OTHER ENGINEERING	25,000	26,100	(1)	(1)	(1)	(1)	(1)
LIFE SCIENCES	15,000	15,000	12,500	13,900	13,800	14,400	16,000
BIOLOGY	15,000	15,600	12,500	(1)	(1)	15,000	16,000
AGR SCIENCE	15,000	15,000	12,600	(1)	14,000	14,000	(1)
PSYCHOLOGY	13,000	15,000	12,700	11,000	(1)	14,000	12,000
SOCIAL SCIENCES	15,000	15,700	13,500	12,000	20,500	14,000	(1)
ECONOMICS	18,000	19,000	(1)	(1)	(1)	(1)	(1)
SOCIO/ANTHRO	13,200	13,000	(1)	(1)	(1)	15,000	(1)
OTHER SOC SCIENCES	15,000	15,000	16,300	(1)	(1)	13,000	(1)

(1) NO MEDIAN COMPUTED FOR GROUPS WITH FEWER THAN 20 INDIVIDUALS REPORTING SALARY.

NOTE: MEDIAN SALARIES COMPUTED ONLY FOR FULL-TIME EMPLOYED CIVILIANS.

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE B-39. MEDIAN ANNUAL SALARIES OF RECENT SCIENCE/ENGINEERING BACHELOR'S-DEGREE RECIPIENTS BY FIELD OF DEGREE, AND PRIMARY WORK ACTIVITY: 1982
(COMBINED 1980/1981 GRADUATES, EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE	TOTAL	R&D	MANAGEMENT/ ADMIN	TEACHING	PRODUCTION INSPECTION	REP/STAT/ COMPUTING ACTIVITIES	SALES/ PROF SERV	OTHER
TOTAL, ALL FIELDS	$20,000	$25,000	$16,600	$12,000	$22,000	$21,300	$15,000	$16,000
PHYSICAL SCIENCES	21,000	22,500	22,000	(1)	22,000	20,000	(1)	(1)
CHEMISTRY	20,000	21,000	(1)	(1)	19,500	(1)	(1)	(1)
PHYSICS/ASTRONOMY	25,000	25,000	(1)	(1)	(1)	(1)	(1)	(1)
OTHER PHYS SCIENCES	15,000	(1)	(1)	(1)	(1)	(1)	(1)	(1)
MATH/STATISTICS	21,600	25,000	28,000	12,000	20,000	22,500	(1)	(1)
COMPUTER SCIENCE	25,000	26,000	32,000	(1)	(1)	24,500	(1)	24,000
ENVIRON SCIENCE	20,000	24,000	22,000	(1)	16,700	19,300	(1)	18,000
ENGINEERING	27,000	27,000	27,000	21,000	27,500	26,000	24,000	24,500
AERO/ASTRO	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
CHEMICAL	28,600	28,400	(1)	(1)	29,000	(1)	(1)	(1)
CIVIL	25,000	25,000	26,000	(1)	25,000	23,100	26,000	21,500
ELECT/ELECTRON	27,000	27,000	28,900	(1)	27,600	26,600	(1)	(1)
INDUSTRIAL	27,000	28,000	(1)	(1)	26,500	(1)	(1)	(1)
MATERIALS	27,000	28,200	(1)	(1)	26,000	(1)	(1)	(1)
MECHANICAL	27,000	27,000	27,000	(1)	28,000	25,000	(1)	(1)
MINING	27,000	28,000	16,000	(1)	31,200	26,500	(1)	(1)
NUCLEAR	28,500	27,600	(1)	(1)	29,400	27,200	(1)	(1)
PETROLEUM	35,000	35,100	(1)	(1)	35,000	(1)	(1)	(1)
OTHER ENGINEERING	25,000	26,100	24,000	(1)	28,000	(1)	(1)	(1)
LIFE SCIENCES	14,900	14,000	15,800	13,700	14,500	16,200	15,000	13,400
BIOLOGY	14,600	13,900	16,000	13,700	15,000	16,500	16,000	12,000
AGR SCIENCE	15,000	15,000	15,600	(1)	14,300	(1)	13,700	15,000
PSYCHOLOGY	13,000	(1)	13,500	12,000	10,000	15,000	12,500	14,000
SOCIAL SCIENCES	15,000	19,300	15,000	10,000	14,000	16,000	15,000	14,800
ECONOMICS	18,000	(1)	18,000	(1)	(1)	20,000	15,200	(1)
SOCIO/ANTHRO	13,200	(1)	12,500	(1)	(1)	(1)	13,500	(1)
OTHER SOC SCIENCES	15,000	17,000	14,400	(1)	15,000	12,000	16,000	(1)

(1) NO MEDIAN COMPUTED FOR GROUPS WITH FEWER THAN 20 INDIVIDUALS REPORTING SALARY.

NOTE: MEDIAN SALARIES COMPUTED ONLY FOR FULL-TIME EMPLOYED CIVILIANS.

SOURCE: NATIONAL SCIENCE FOUNDATION

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TABLE B-40. MEDIAN ANNUAL SALARIES OF RECENT SCIENCE/ENGINEERING BACHELOR'S-DEGREE RECIPIENTS BY FIELD OF EMPLOYMENT, SEX, AND RACE: 1982

(COMBINED 1980/1981 GRADUATES, EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF EMPLOYMENT	TOTAL	SEX		RACE		
		MALE	FEMALE	WHITE	BLACK	ASIAN
TOTAL, ALL FIELDS	$24,000	$25,000	$19,000	$24,000	$17,700	$25,000
PHYSICAL SCIENCES	21,600	22,000	21,000	21,000	(1)	(1)
CHEMISTRY	19,500	20,000	19,300	20,000	(1)	(1)
PHYSICS/ASTRONOMY	(1)	(1)	(1)	(1)	(1)	(1)
OTHER PHYS SCIENCES	21,000	21,000	(1)	21,000	(1)	(1)
MATH/STATISTICS	20,000	22,500	17,400	20,000	(1)	(1)
COMPUTER SCIENCE	24,100	25,000	22,500	24,200	21,200	23,000
ENVIRON SCIENCE	21,000	22,400	19,000	21,000	(1)	(1)
ENGINEERING	27,400	27,100	28,900	27,500	27,000	26,800
AERO/ASTRO	26,000	25,500	(1)	26,100	(1)	(1)
CHEMICAL	28,500	28,400	29,100	28,500	(1)	(1)
CIVIL	24,400	24,400	24,000	24,400	(1)	(1)
ELECT/ELECTRON	26,700	26,900	25,000	26,600	(1)	27,300
INDUSTRIAL	25,500	25,000	(1)	26,300	(1)	(1)
MATERIALS	25,000	25,000	25,000	24,800	(1)	(1)
MECHANICAL	27,000	27,000	27,000	27,000	(1)	(1)
MINING	27,000	27,000	(1)	27,000	(1)	(1)
NUCLEAR	28,000	28,000	(1)	28,000	(1)	(1)
PETROLEUM	31,700	31,600	33,000	32,000	(1)	(1)
OTHER ENGINEERING	25,300	25,200	25,300	25,000	(1)	(1)
LIFE SCIENCES	14,100	15,000	13,100	14,100	(1)	(1)
BIOLOGY	14,400	15,000	14,100	14,100	(1)	(1)
AGR SCIENCE	14,500	15,000	13,200	14,500	(1)	(1)
PSYCHOLOGY	12,000	(1)	11,000	11,700	(1)	(1)
SOCIAL SCIENCES	14,500	15,000	14,000	15,000	(1)	(1)
ECONOMICS	17,500	17,500	(1)	17,500	(1)	(1)
SOCIO/ANTHRO	15,000	15,000	12,500	15,000	(1)	(1)
OTHER SOC SCIENCES	15,400	20,000	15,000	16,500	(1)	(1)

(1) NO MEDIAN COMPUTED FOR GROUPS WITH FEWER THAN 20 INDIVIDUALS REPORTING SALARY.

NOTE: MEDIAN SALARIES COMPUTED ONLY FOR FULL-TIME EMPLOYED CIVILIANS.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B 41. MEDIAN ANNUAL SALARIES OF RECENT SCIENCE/ENGINEERING MASTER'S-DEGREE RECIPIENTS BY FIELD OF DEGREE, S/E EMPLOYMENT STATUS, SEX, AND RACE: 1982

(COMBINED 1980/1981 GRADUATES, EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND S/E EMPLOYMENT STATUS	TOTAL	SEX		RACE		
		MALE	FEMALE	WHITE	BLACK	ASIAN
TOTAL, ALL FIELDS	$27,200	$28,500	$22,500	$27,000	$22,500	$29,800
S/E EMPLOYED	28,500	29,400	24,000	28,400	28,100	30,000
NON-S/E EMPLOYED	22,000	24,000	19,600	22,000	(1)	26,500
PHYSICAL SCIENCES	26,000	26,500	23,700	26,000	(1)	(1)
S/E EMPLOYED	28,000	27,700	28,000	28,000	(1)	(1)
NON-S/E EMPLOYED	23,500	23,100	(1)	23,500	(1)	(1)
CHEMISTRY	25,000	25,900	23,700	25,000	(1)	(1)
S/E EMPLOYED	27,000	26,900	(1)	27,000	(1)	(1)
NON-S/E EMPLOYED	(1)	(1)	(1)	(1)	(1)	(1)
PHYSICS/ASTRONOMY	28,000	28,000	(1)	28,000	(1)	(1)
S/E EMPLOYED	28,000	28,000	(1)	28,000	(1)	(1)
NON-S/E EMPLOYED	(1)	(1)	(1)	(1)	(1)	(1)
OTHER PHYS SCIENCES	22,000	22,000	(1)	21,000	(1)	(1)
S/E EMPLOYED	29,000	(1)	(1)	29,000	(1)	(1)
NON-S/E EMPLOYED	(1)	(1)	(1)	(1)	(1)	(1)
MATH/STATISTICS	28,200	28,800	26,000	28,200	(1)	(1)
S/E EMPLOYED	28,800	29,300	28,000	28,800	(1)	(1)
NON-S/E EMPLOYED	22,000	23,200	(1)	22,000	(1)	(1)
COMPUTER SCIENCE	32,000	32,000	32,000	32,500	(1)	30,000
S/E EMPLOYED	32,000	32,500	30,200	33,000	(1)	30,000
NON-S/E EMPLOYED	29,000	27,500	(1)	28,500	(1)	(1)
ENVIRON SCIENCE	31,000	31,500	30,000	31,000	(1)	(1)
S/E EMPLOYED	31,500	31,500	31,500	31,500	(1)	(1)
NON-S/E EMPLOYED	19,500	(1)	(1)	19,500	(1)	(1)
ENGINEERING	30,200	30,500	30,000	30,200	(1)	30,000
S/E EMPLOYED	30,600	31,000	29,500	30,600	(1)	31,000
NON-S/E EMPLOYED	30,000	28,000	(1)	30,000	(1)	(1)
AERO/ASTRO	(1)	(1)	(1)	(1)	(1)	(1)
S/E EMPLOYED	(1)	(1)	(1)	(1)	(1)	(1)
NON-S/E EMPLOYED	(1)	(1)	(1)	(1)	(1)	(1)
CHEMICAL	31,000	31,300	(1)	31,000	(1)	(1)
S/E EMPLOYED	31,400	32,000	(1)	31,200	(1)	(1)
NON-S/E EMPLOYED	(1)	(1)	(1)	(1)	(1)	(1)
CIVIL	29,400	29,400	(1)	29,400	(1)	(1)
S/E EMPLOYED	29,400	29,400	(1)	29,400	(1)	(1)
NON-S/E EMPLOYED	(1)	(1)	(1)	(1)	(1)	(1)

TABLE B-41. MEDIAN ANNUAL SALARIES OF RECENT SCIENCE/ENGINEERING MASTER'S-DEGREE RECIPIENTS BY FIELD OF DEGREE, S/E EMPLOYMENT STATUS, SEX, AND RACE: 1982
(CONTINUED)
(COMBINED 1980/1981 GRADUATES, EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND S/E EMPLOYMENT STATUS	TOTAL	SEX		RACE		
		MALE	FEMALE	WHITE	BLACK	ASIAN
ELECT/ELECTRON	31,500	31,500	(1)	31,500	(1)	29,700
S/E EMPLOYED	31,800	31,800	(1)	31,800	(1)	(1)
NON-S/E EMPLOYED	(1)	(1)	(1)	(1)	(1)	(1)
INDUSTRIAL	28,800	28,000	(1)	29,000	(1)	(1)
S/E EMPLOYED	28,800	28,400	(1)	29,000	(1)	(1)
NON-S/E EMPLOYED	(1)	(1)	(1)	(1)	(1)	(1)
MATERIALS	30,000	29,200	(1)	30,000	(1)	(1)
S/E EMPLOYED	29,800	29,400	(1)	29,400	(1)	(1)
NON-S/E EMPLOYED	(1)	(1)	(1)	(1)	(1)	(1)
MECHANICAL	30,500	30,600	(1)	30,600	(1)	31,700
S/E EMPLOYED	30,600	31,000	(1)	30,900	(1)	(1)
NON-S/E EMPLOYED	(1)	(1)	(1)	(1)	(1)	(1)
MINING	31,500	34,000	(1)	31,500	(1)	(1)
S/E EMPLOYED	31,000	33,000	(1)	31,500	(1)	(1)
NON-S/E EMPLOYED	(1)	(1)	(1)	(1)	(1)	(1)
NUCLEAR	29,500	29,600	(1)	29,500	(1)	(1)
S/E EMPLOYED	29,500	29,600	(1)	29,500	(1)	(1)
NON-S/E EMPLOYED	(1)	(1)	(1)	(1)	(1)	(1)
PETROLEUM	(1)	(1)	(1)	(1)	(1)	(1)
S/E EMPLOYED	(1)	(1)	(1)	(1)	(1)	(1)
NON-S/E EMPLOYED	(1)	(1)	(1)	(1)	(1)	(1)
OTHER ENGINEERING	29,200	30,000	(1)	30,000	(1)	(1)
S/E EMPLOYED	30,000	30,000	(1)	30,000	(1)	(1)
NON-S/E EMPLOYED	(1)	(1)	(1)	(1)	(1)	(1)
LIFE SCIENCES	19,600	19,700	19,100	19,700	(1)	(1)
S/E EMPLOYED	19,700	19,700	20,000	20,000	(1)	(1)
NON-S/E EMPLOYED	18,000	19,500	17,500	18,600	(1)	(1)
BIOLOGY	19,700	19,600	20,000	19,700	(1)	(1)
S/E EMPLOYED	19,700	18,600	20,500	20,000	(1)	(1)
NON-S/E EMPLOYED	18,600	20,000	18,000	18,600	(1)	(1)

TABLE B-41. MEDIAN ANNUAL SALARIES OF RECENT SCIENCE/ENGINEERING MASTER'S-DEGREE RECIPIENTS BY FIELD OF DEGREE,
(CONTINUED) S/E EMPLOYMENT STATUS, SEX, AND RACE: 1982
(COMBINED 1980/1981 GRADUATES, EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND S/E EMPLOYMENT STATUS	TOTAL	SEX		RACE		
		MALE	FEMALE	WHITE	BLACK	ASIAN
AGR SCIENCE	19,500	20,000	18,000	19,500	(1)	(1)
S/E EMPLOYED	20,000	20,000	19,000	20,000	(1)	(1)
NON-S/E EMPLOYED	18,000	(1)	(1)	18,000	(1)	(1)
PSYCHOLOGY	20,000	20,800	20,000	20,000	(1)	(1)
S/E EMPLOYED	20,800	21,300	20,400	20,800	(1)	(1)
NON-S/E EMPLOYED	18,500	20,000	17,000	20,000	(1)	(1)
SOCIAL SCIENCES	20,500	22,000	18,500	21,000	(1)	(1)
S/E EMPLOYED	20,000	21,000	18,000	20,000	(1)	(1)
NON-S/E EMPLOYED	21,000	22,000	19,600	21,000	(1)	(1)
ECONOMICS	26,400	25,000	(1)	26,400	(1)	(1)
S/E EMPLOYED	26,400	22,500	(1)	26,400	(1)	(1)
NON-S/E EMPLOYED	(1)	(1)	(1)	(1)	(1)	(1)
SOCIO/ANTHRO	17,000	(1)	(1)	17,000	(1)	(1)
S/E EMPLOYED	(1)	(1)	(1)	(1)	(1)	(1)
NON-S/E EMPLOYED	(1)	(1)	(1)	(1)	(1)	(1)
OTHER SOC SCIENCES	21,000	22,000	20,000	21,000	(1)	(1)
S/E EMPLOYED	20,500	22,500	20,000	20,500	(1)	(1)
NON-S/E EMPLOYED	21,000	22,000	20,000	21,000	(1)	(1)

(1) NO MEDIAN COMPUTED FOR GROUPS WITH FEWER THAN 20 INDIVIDUALS REPORTING SALARY.

NOTE: MEDIAN SALARIES COMPUTED ONLY FOR FULL-TIME EMPLOYED CIVILIANS.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-42. MEDIAN ANNUAL SALARIES OF RECENT SCIENCE/ENGINEERING MASTER'S-DEGREE RECIPIENTS BY FIELD OF DEGREE AND TYPE OF EMPLOYER: 1982

(COMBINED 1980/1981 GRADUATES, EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE	TOTAL	BUSINESS INDUSTRY	EDUCATIONAL INSTITUTIONS	NONPROFIT ORGS	FEDERAL GOVERNMENT	STATE/LOCAL GOVERNMENTS	OTHER
TOTAL, ALL FIELDS	$27.300	$30.000	$19.000	$23.000	$30.000	$20.000	$18.000
PHYSICAL SCIENCES	26.000	28.000	18.900	(1)	(1)	(1)	(1)
CHEMISTRY	25.000	27.500	(1)	(1)	(1)	(1)	(1)
PHYSICS/ASTRONOMY	28.000	28.300	(1)	(1)	(1)	(1)	(1)
OTHER PHYS SCIENCES	22.000	(1)	(1)	(1)	(1)	(1)	(1)
MATH/STATISTICS	28.200	30.500	20.800	(1)	(1)	(1)	(1)
COMPUTER SCIENCE	32.000	32.000	24.000	(1)	(1)	(1)	(1)
ENVIRON SCIENCE	31.000	33.600	18.000	(1)	26.000	(1)	(1)
ENGINEERING	30.200	31.000	24.000	32.200	30.400	26.000	(1)
AERO/ASTRO	(1)	(1)	(1)	(1)	(1)	(1)	(1)
CHEMICAL	31.000	31.000	(1)	(1)	(1)	(1)	(1)
CIVIL	29.400	29.500	(1)	(1)	(1)	(1)	(1)
ELECT/ELECTRON	31.500	31.700	(1)	(1)	(1)	(1)	(1)
INDUSTRIAL	28.800	28.800	(1)	(1)	(1)	(1)	(1)
MATERIALS	30.000	30.000	(1)	(1)	(1)	(1)	(1)
MECHANICAL	30.500	30.800	(1)	(1)	(1)	(1)	(1)
MINING	31.500	31.500	(1)	(1)	(1)	(1)	(1)
NUCLEAR	29.500	28.800	(1)	(1)	(1)	(1)	(1)
PETROLEUM	(1)	(1)	(1)	(1)	(1)	(1)	(1)
OTHER ENGINEERING	23.200	30.800	(1)	(1)	(1)	(1)	(1)
LIFE SCIENCES	19.600	22.400	16.800	(1)	23.000	18.000	19.600
BIOLOGY	19.700	23.000	17.000	(1)	(1)	20.000	19.600
AGR SCIENCE	19.500	21.000	16.000	(1)	24.500	18.000	(1)
PSYCHOLOGY	20.000	24.000	20.800	(1)	(1)	(1)	(1)
SOCIAL SCIENCES	20.500	22.000	18.500	(1)	(1)	20.000	(1)
ECONOMICS	26.400	26.400	(1)	(1)	(1)	(1)	(1)
SOCIO/ANTHRO	17.000	(1)	(1)	(1)	(1)	(1)	(1)
OTHER SOC SCIENCES	21.000	21.000	21.000	(1)	(1)	21.000	(1)

(1) NO MEDIAN COMPUTED FOR GROUPS WITH FEWER THAN 20 INDIVIDUALS REPORTING SALARY.

NOTE: MEDIAN SALARIES COMPUTED ONLY FOR FULL-TIME EMPLOYED CIVILIANS.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-43. MEDIAN ANNUAL SALARIES OF RECENT SCIENCE/ENGINEERING MASTER'S-DEGREE RECIPIENTS BY FIELD OF DEGREE AND PRIMARY WORK ACTIVITY: 1982

(COMBINED 1980/1981 GRADUATES, EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE	TOTAL	R&D	MANAGEMENT/ ADMIN	TEACHING	PRODUCTION INSPECTION	REP/STAT/ COMPUTING ACTIVITIES	SALES/ PROF SERV	OTHER
TOTAL, ALL FIELDS	$27,200	$30,000	$26,000	$20,800	$27,500	$28,000	$16,500	$23,200
PHYSICAL SCIENCES	26,000	27,500	(1)	21,000	(1)	(1)	(1)	(1)
CHEMISTRY	25,000	26,600	(1)	(1)	(1)	(1)	(1)	(1)
PHYSICS/ASTRONOMY	28,000	28,000	(1)	(1)	(1)	(1)	(1)	(1)
OTHER PHYS SCIENCES	22,000	(1)	(1)	(1)	(1)	(1)	(1)	(1)
MATH/STATISTICS	28,200	31,700	(1)	21,000	(1)	27,300	(1)	(1)
COMPUTER SCIENCE	32,000	32,000	36,300	(1)	(1)	30,000	(1)	(1)
ENVIRON SCIENCE	31,000	33,500	(1)	(1)	(1)	(1)	(1)	(1)
ENGINEERING	30,200	31,000	32,500	(1)	30,200	29,000	(1)	29,000
AERO/ASTRO	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
CHEMICAL	31,000	31,000	(1)	(1)	32,000	(1)	(1)	(1)
CIVIL	29,400	29,400	31,000	(1)	(1)	(1)	(1)	26,500
ELECT/ELECTRON	31,500	31,800	(1)	(1)	(1)	(1)	(1)	(1)
INDUSTRIAL	28,800	(1)	(1)	(1)	(1)	(1)	(1)	(1)
MATERIALS	30,000	30,000	(1)	(1)	(1)	(1)	(1)	(1)
MECHANICAL	30,500	30,000	(1)	(1)	(1)	(1)	(1)	(1)
MINING	31,500	(1)	(1)	(1)	(1)	(1)	(1)	(1)
NUCLEAR	29,500	29,600	(1)	(1)	(1)	(1)	(1)	(1)
PETROLEUM	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
OTHER ENGINEERING	29,200	30,400	32,500	(1)	(1)	(1)	(1)	27,500
LIFE SCIENCES	19,600	19,000	21,000	19,600	19,500	18,500	16,500	20,000
BIOLOGY	19,700	18,000	21,000	20,200	20,400	(1)	(1)	(1)
AGR SCIENCE	19,500	20,000	20,000	(1)	(1)	(1)	(1)	(1)
PSYCHOLOGY	20,000	(1)	(1)	(1)	(1)	(1)	(1)	(1)
SOCIAL SCIENCES	20,500	20,000	20,000	20,000	(1)	22,000	(1)	21,000
ECONOMICS	26,400	(1)	(1)	(1)	(1)	(1)	(1)	(1)
SOCIO/ANTHRO	17,000	(1)	(1)	(1)	(1)	(1)	(1)	(1)
OTHER SOC SCIENCES	21,000	20,000	20,000	22,000	(1)	(1)	(1)	(1)

(1) NO MEDIAN COMPUTED FOR GROUPS WITH FEWER THAN 20 INDIVIDUALS REPORTING SALARY.

NOTE: MEDIAN SALARIES COMPUTED ONLY FOR FULL-TIME EMPLOYED CIVILIANS.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-44. MEDIAN ANNUAL SALARIES OF RECENT SCIENCE/ENGINEERING MASTER'S-DEGREE RECIPIENTS BY FIELD OF EMPLOYMENT, SEX, AND RACE: 1982

(COMBINED 1980/1981 GRADUATES, EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF EMPLOYMENT	TOTAL	SEX		RACE		
		MALE	FEMALE	WHITE	BLACK	ASIAN
TOTAL, ALL FIELDS	$28,500	$29,400	$24,000	$28,400	$28,100	$30,000
PHYSICAL SCIENCES	28,000	26,000	(1)	28,100	(1)	(1)
CHEMISTRY	25,000	26,000	(1)	25,000	(1)	(1)
PHYSICS/ASTRONOMY	25,000	26,500	(1)	25,000	(1)	(1)
OTHER PHYS SCIENCES	27,500	24,400	(1)	27,500	(1)	(1)
MATH/STATISTICS	28,800	28,800	27,000	28,400	(1)	(1)
COMPUTER SCIENCE	30,800	31,800	28,300	31,000	(1)	30,500
ENVIRON SCIENCE	32,000	32,400	31,500	32,400	(1)	(1)
ENGINEERING	31,000	31,000	30,000	30,900	33,000	31,000
AERO/ASTRO	31,000	31,000	(1)	31,500	(1)	(1)
CHEMICAL	31,300	31,500	(1)	31,000	(1)	(1)
CIVIL	28,500	28,500	(1)	28,500	(1)	(1)
ELECT/ELECTRON	31,800	31,800	(1)	32,000	(1)	(1)
INDUSTRIAL	(1)	(1)	(1)	(1)	(1)	(1)
MATERIALS	30,000	30,000	(1)	30,000	(1)	(1)
MECHANICAL	30,500	30,600	(1)	30,800	(1)	(1)
MINING	30,000	31,000	(1)	30,000	(1)	(1)
NUCLEAR	29,000	29,000	(1)	29,000	(1)	(1)
PETROLEUM	36,000	36,000	(1)	35,000	(1)	(1)
OTHER ENGINEERING	28,000	28,200	27,700	27,700	(1)	(1)
LIFE SCIENCES	18,000	18,000	18,000	18,000	(1)	(1)
BIOLOGY	18,000	17,600	20,000	18,100	(1)	(1)
AGR SCIENCE	19,700	20,000	18,000	20,000	(1)	(1)
PSYCHOLOGY	20,800	(1)	23,000	20,800	(1)	(1)
SOCIAL SCIENCES	20,000	20,000	17,000	20,000	(1)	(1)
ECONOMICS	26,400	23,500	(1)	26,400	(1)	(1)
SOCIO/ANTHRO	(1)	(1)	(1)	(1)	(1)	(1)
OTHER SOC SCIENCES	19,200	20,000	(1)	20,000	(1)	(1)

(1) NO MEDIAN COMPUTED FOR GROUPS WITH FEWER THAN 20 INDIVIDUALS REPORTING SALARY.

NOTE: MEDIAN SALARIES COMPUTED ONLY FOR FULL-TIME EMPLOYED CIVILIANS.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-45. SELECTED EMPLOYMENT CHARACTERISTICS OF RECENT SCIENCE/ENGINEERING BACHELOR'S AND MASTER'S DEGREE RECIPIENTS BY FIELD OF DEGREE AND SEX: 1982

(COMBINED 1980/1981 GRADUATES, EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND SEX	LABOR FORCE PART RATE		UNEMPLOYMENT RATE		S/E EMPLOYMENT RATE		S/E UTIL RATE	
	BACHELOR'S	MASTER'S	BACHELOR'S	MASTER'S	BACHELOR'S	MASTER'S	BACHELOR'S	MASTER'S
TOTAL, ALL FIELDS	95.3	97.0	6.0	3.7	60.4	73.9	56.8	71.2
MEN	97.0	97.6	5.1	2.3	67.9	77.6	64.5	75.8
WOMEN	92.2	95.2	7.7	7.3	45.9	63.7	42.4	59.0
PHYSICAL SCIENCES	95.1	95.0	6.0	3.0	75.6	63.3	71.1	61.3
MEN	95.7	96.2	5.9	1.2	74.1	67.3	69.8	66.4
WOMEN	93.6	(2)	6.2	(2)	79.9	(2)	74.9	(2)
CHEMISTRY	95.2	94.0	7.1	2.0	80.0	62.0	74.3	60.7
MEN	96.0	(2)	6.8	(2)	77.8	(2)	72.5	(2)
WOMEN	93.6	(2)	7.7	(2)	84.6	(2)	78.1	(2)
PHYSICS/ASTRONOMY	94.4	(2)	4.4	(2)	75.2	(2)	71.9	(2)
MEN	94.7	(2)	4.8	(2)	73.2	(2)	69.7	(2)
WOMEN	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
OTHER PHYS SCIENCES	96.8	(2)	2.4	(2)	50.1	(2)	48.9	(2)
MEN	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
WOMEN	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
MATH/STATISTICS	95.3	96.8	4.3	4.1	71.3	72.8	68.2	69.9
MEN	95.8	96.9	5.3	2.9	75.1	68.9	71.2	66.9
WOMEN	94.5	96.6	2.9	6.5	65.4	81.2	63.5	76.0
COMPUTER SCIENCE	98.7	99.1	1.6	0.6	90.7	86.2	89.3	85.7
MEN	99.7	99.6	0.8	0.4	88.6	84.3	87.9	84.0
WOMEN	96.4	97.4	3.4	1.4	96.0	92.9	92.7	91.6
ENVIRON SCIENCE	94.1	95.7	8.1	6.9	80.5	86.9	74.0	80.9
MEN	95.2	97.2	6.9	6.5	82.7	88.8	77.0	83.0
WOMEN	91.2	(2)	11.3	(2)	74.1	(2)	65.8	(2)
ENGINEERING	98.3	97.9	3.0	2.1	88.3	86.9	85.7	85.1
MEN	98.4	98.2	2.8	2.1	88.3	87.8	85.9	86.0
WOMEN	97.5	95.0	4.7	2.2	88.1	78.5	84.0	76.7
AERO/ASTRO	100.0	(2)	3.7	(2)	82.7	(2)	79.7	(2)
MEN	100.0	(2)	3.8	(2)	82.1	(2)	79.0	(2)
WOMEN	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
CHEMICAL	97.5	98.2	2.8	4.8	89.7	76.1	87.3	72.5
MEN	97.7	98.9	2.9	5.6	88.6	78.4	86.1	74.0
WOMEN	97.0	(2)	2.5	(2)	94.2	(2)	91.9	(2)
CIVIL	98.4	97.8	3.6	3.1	87.4	88.3	84.2	85.6
MEN	98.5	98.9	3.4	3.1	87.5	89.7	84.5	87.0
WOMEN	97.2	(2)	5.8	(2)	86.4	(2)	81.4	(2)

TABLE B-45. SELECTED EMPLOYMENT CHARACTERISTICS OF RECENT SCIENCE/ENGINEERING BACHELOR'S AND
(CONTINUED) MASTER'S DEGREE RECIPIENTS BY FIELD OF DEGREE AND SEX: 1982

(COMBINED 1980/1981 GRADUATES, EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND SEX	LABOR FORCE PART RATE		UNEMPLOYMENT RATE		S/E EMPLOYMENT RATE		S/E UTIL RATE	
	BACHELOR'S	MASTER'S	BACHELOR'S	MASTER'S	BACHELOR'S	MASTER'S	BACHELOR'S	MASTER'S
ELECT/ELECTRON	98.2	97.9	2.0	1.4	91.3	89.0	89.4	87.8
MEN	98.4	97.8	2.0	1.0	92.0	88.5	90.2	87.7
WOMEN	95.3	(2)	3.1	(2)	81.0	(2)	78.5	(2)
INDUSTRIAL	96.6	(2)	2.2	(2)	78.8	(2)	77.1	(2)
MEN	95.9	(2)	1.3	(2)	74.4	(2)	73.4	(2)
WOMEN	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
MATERIALS	98.3	(2)	7.0	(2)	93.1	(2)	86.6	(2)
MEN	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
WOMEN	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
MECHANICAL	99.0	97.2	1.7	2.5	89.1	89.1	87.6	86.9
MEN	99.2	96.9	1.5	2.8	89.1	90.0	87.8	87.5
WOMEN	96.6	(2)	5.0	(2)	89.6	(2)	85.1	(2)
MINING	97.9	(2)	1.3	(2)	93.5	(2)	92.3	(2)
MEN	97.7	(2)	1.1	(2)	94.2	(2)	93.2	(2)
WOMEN	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
NUCLEAR	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
MEN	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
WOMEN	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
PETROLEUM	100.0	(2)	0.6	(2)	(2)	(2)	95.7	(2)
MEN	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
WOMEN	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
OTHER ENGINEERING	98.6	98.1	6.5	1.3	82.3	89.1	76.9	87.9
MEN	98.4	97.9	6.9	1.4	82.6	88.5	77.0	87.3
WOMEN	100.0	(2)	3.8	(2)	(2)	(2)	76.7	(2)
LIFE SCIENCES	93.0	96.0	7.8	2.5	58.7	73.2	54.1	71.4
MEN	95.3	95.7	5.6	2.8	61.8	76.4	58.3	74.2
WOMEN	90.5	96.4	10.3	1.9	54.8	68.7	49.1	67.4
BIOLOGY	92.0	95.5	9.1	3.0	48.0	69.1	43.6	67.1
MEN	94.1	94.5	7.3	4.0	48.7	72.2	45.2	69.3
WOMEN	90.1	96.6	10.8	1.7	47.3	65.5	42.2	64.4

TABLE B-45. SELECTED EMPLOYMENT CHARACTERISTICS OF RECENT SCIENCE/ENGINEERING BACHELOR'S AND
(CONTINUED) MASTER'S DEGREE RECIPIENTS BY FIELD OF DEGREE AND SEX: 1982

(COMBINED 1980/1981 GRADUATES, EXCLUSIVE OF FULL-TIME GRADUATE STUDENTS)

FIELD OF DEGREE AND SEX	LABOR FORCE PART RATE		UNEMPLOYMENT RATE		S/E EMPLOYMENT RATE		S/E UTIL RATE	
	BACHELOR'S	MASTER'S	BACHELOR'S	MASTER'S	BACHELOR'S	MASTER'S	BACHELOR'S	MASTER'S
AGR SCIENCE	94.7	96.8	5.7	1.6	75.0	80.0	70.7	78.8
MEN	95.8	97.3	3.7	1.2	77.1	82.1	74.2	81.1
WOMEN	91.2	(2)	9.2	(2)	71.1	(2)	64.6	(2)
PSYCHOLOGY	93.4	98.6	7.0	9.3	25.9	45.3	24.1	41.1
MEN	97.5	98.4	8.9	1.7	33.7	50.3	30.7	49.4
WOMEN	91.2	98.7	5.8	15.2	21.4	40.8	20.2	34.6
SOCIAL SCIENCES	94.2	94.9	8.5	6.8	34.4	52.9	31.5	49.3
MEN	95.8	97.2	7.9	3.6	37.6	58.2	34.6	56.1
WOMEN	92.1	91.1	9.3	12.6	29.9	42.3	27.1	36.9
ECONOMICS	95.0	94.2	5.4	7.1	38.6	72.5	36.5	67.4
MEN	96.6	95.7	7.2	2.3	39.2	75.0	36.4	73.3
WOMEN	90.3	(2)	(1)	(2)	37.0	(2)	37.0	(2)
SOCIO/ANTHRO	96.2	92.2	10.0	3.5	32.3	44.9	29.1	41.1
MEN	96.3	(2)	7.3	(2)	40.8	(2)	37.9	(2)
WOMEN	96.1	(2)	11.6	(2)	27.1	(2)	24.0	(2)
OTHER SOC SCIENCES	91.5	96.5	9.8	5.9	32.4	45.1	29.3	42.5
MEN	94.6	97.2	9.2	1.2	33.8	48.9	30.7	48.3
WOMEN	86.6	95.5	10.9	12.8	30.0	39.0	26.7	34.0

(1) NO UNEMPLOYMENT REPORTED.
(2) NO RATE COMPUTED FOR GROUPS WITH LESS THAN 1500 IN LABOR FORCE.

NOTE: LABOR FORCE PARTICIPATION RATE = NUMBER IN LABOR FORCE AS A PERCENT OF TOTAL POPULATION.
UNEMPLOYMENT RATE = NUMBER OF UNEMPLOYED AS A PERCENT OF LABOR FORCE.
SCIENCE/ENGINEERING EMPLOYMENT RATE = NUMBER IN S/E JOBS AS A PERCENT OF NUMBER EMPLOYED.
SCIENCE/ENGINEERING UTILIZATION RATE = NUMBER IN S/E JOBS AS A PERCENT OF NUMBER IN LABOR FORCE.

SOURCE: NATIONAL SCIENCE FOUNDATION.

reproduction of 1982 survey questionnaire

INSTITUTE FOR SURVEY RESEARCH
TEMPLE UNIVERSITY
-Of The Commonwealth System Of Higher Education-
PHILADELPHIA, PENNSYLVANIA 19122

STUDY #518-305-01
FALL/WINTER 1982

OMB No.: 3145-0032
Expires: December 1983

1982 SURVEY OF SCIENCE AND ENGINEERING GRADUATES

NATIONAL SCIENCE FOUNDATION
AND
U.S. DEPARTMENT OF ENERGY

This information is solicited under the authority of the National Science Foundation Act of 1950, as amended. All information you provide will be treated as confidential and will be used for statistical purposes only. Information will be released only in the form of statistical summaries from which it will be impossible to identify any particular person. Your response is entirely voluntary and failure to provide some or all of the requested information will not in any way adversely affect you.

NAME:______________________________________

ADDRESS:____________________________________

____

TELEPHONE:_( )______________________________

DEGREE AND EMPLOYMENT SPECIALTY LIST

Agriculture

803	Agricultural economics
013	Agronomy
014	Animal, dairy, poultry, sciences
015	Farm and range management
016	Fish, game and wildlife management
017	Food sciences
018	Forestry and related sciences
019	Horticulture
020	Natural resources management
021	Soil science
090	Agricultural sciences, other

Biological Sciences

211	Anatomy, histology
213	Biochemistry
214	Biophysics
215	Botany
221	Cell and molecular biology
216	Entomology
226	Embryology
217	Genetics
218	Immunology
219	Marine biology
220	Microbiology, bacteriology
227	Neurosciences
222	Nutrition
228	Parasitology
223	Pathology, human, animal, plant
224	Physiology, human, animal, plant
229	Radiobiology
230	Toxicology
225	Zoology
290	Biological sciences, other

Education

413	Biological sciences education
414	Engineering education
417	Mathematics education
421	Physical sciences education
425	Social science education
490	Education, other

Engineering

511	Aerospace, aeronautical, astronautical
512	Agricultural
513	Architectural
514	Bioengineering and biomedical engineering
515	Chemical
516	Civil, construction, and transportation
723	Computer
517	Electrical, electronic, and communication
529	Engineering science
519	Environmental and sanitary
520	Geological
521	Industrial
530	Materials
522	Mechanical
523	Metallurgical
524	Mining and mineral
525	Naval architecture and marine
526	Nuclear
531	Ocean
527	Petroleum
751	Operations research/management sciences
590	Engineering, other

Mathematical Sciences

711	Actuarial science
723	Computer sciences
750	Mathematics
751	Operations research/management sciences
713	Statistics
723	Computer and information sciences
780	Mathematics, other

Physical Sciences

720	Astronomy
721	Atmospheric sciences and meteorology
213	Biochemistry
722	Chemistry
741	Earth sciences and geology
733	Metallurgy
742	Oceanography
731	Physics
790	Physical sciences, other

Social Sciences

811	Anthropology
812	Criminology
813	Economics (except agricultural)
814	Geography
118	Linguistics
817	Political science and government
818	Psychology (except clinical)
821	Sociology
827	Urban studies
890	Other social sciences

Health Sciences

611	Clinical psychology
612	Dentistry
614	Hospital and health care administration
615	Medicine or pre-medicine
616	Nursing
617	Pharmacology
618	Pharmacy
690	Other health areas

Arts, Humanities and Other Specialties

910	Area and ethnic studies
911	Architecture and environmental design
110	Arts and letters, general
310	Business and commerce
115	English and journalism
114	Fine and applied arts
116	Foreign language and literature, all fields
815	History
912	Home economics, all fields
913	Law and prelaw
915	Military science, including merchant marine deck officer
816	Philosophy
819	Religion and theology
820	Social work
999	Other specialties

INSTRUCTIONS FOR COMPLETING THIS QUESTIONNAIRE

In constructing this questionnaire we have tried to provide response categories for most answers. If the response categories are not adequate for you to answer a question correctly, please write your answer in the question box. If you are not certain of the correct response, please give us your best estimate or guess.

There are basically two types of questions: the closed-end questions, where response categories have been provided and you are asked to mark a box; and open-end questions, where you are asked to fill in the information sought. In addition, in some of the questions you are asked to fill in "code numbers" either from the list on page 2 or from a preceding question.

An example of each type, with sample answers, is shown below.

1. Do you subscribe to any periodical journals or magazines?

   1. ☒ Yes *(GO TO QUESTION 2)*
   2. ☐ NO *(SKIP TO QUESTION 4)*

2. Which of the following journals or magazines do you receive? *(MARK AS MANY AS APPLY)*

   01. ☒ Newsweek
   02. ☐ Time
   03. ☐ Life
   04. ☒ Science
   05. ☒ Scientific American
   06. ☒ Other, *Specify:* Smithsonian

3. Which of the journals marked in question 2 most relates to the kind of work you do? *(ENTER THE APPROPRIATE CODE NUMBER FROM QUESTION 2)*

   0 | 4

4. What professional society or association do you belong to?

   National Association of Mechanical Engineers

Please answer all the questions that apply to you and follow directions which may ask you to skip certain questions. In the absence of instructions, always go to the next question. Even if you feel only part of the questionnaire applies to you, or there are some questions you cannot answer, please return the entire questionnaire.

We appreciate your participation and thank you for completing this questionnaire.

PART I. DEMOGRAPHIC CHARACTERISTICS

7/8

① In what month and year were you born?

________ (MONTH) ________ (YEAR)

12

② Are you:

1. ☐ Male 2. ☐ Female

13

③ Are you:

1. ☐ U.S. citizen *(GO TO QUESTION 4)*
2. ☐ Non-U.S. citizen, immigrant (permanent resident)
3. ☐ Non-U.S. citizen, nonimmigrant (temporary resident)

(3a.) If non-U.S. citizen, of which country are you a citizen?

________ (COUNTRY)

16

④ Are you:

1. ☐ American Indian or Alaskan Native
2. ☐ Asian or Pacific Islander
3. ☐ Black
4. ☐ White
5. ☐ Other, *please specify:* ________

17

⑤ Are you of Spanish/Hispanic origin or descent?

1. ☐ Yes → 2. ☐ Mexican-American
3. ☐ Puerto Rican
4. ☐ Other Hispanic

5. ☐ No

18

⑥ As of May 9, 1982, were you:

1. ☐ Married 2. ☐ Widowed

3. ☐ Separated 4. ☐ Divorced

5. ☐ Never married

19

⑦ As of May 9, 1982, did you have any children living with you?

1. ☐ Yes → 2. ☐ Under 6 years of age

3. ☐ 6-17 years of age

4. ☐ No

20

⑧ Are you physically handicapped?

1. ☐ Yes *(GO TO QUESTION 9)*

2. ☐ No *(SKIP TO QUESTION 10)*

21

⑨ What is the nature of your handicap(s)? *(MARK AS MANY AS APPLY)*

1. ☐ Visual 2. ☐ Ambulatory

4. ☐ Auditory 8. ☐ Other, *specify:* ________

23

⑩ Are you a student, currently attending a college or university?

1. ☐ Yes → 2. ☐ Student, full-time

3. ☐ Student, part-time

4. ☐ No

In the next section (Question 11) beginning with the most recent and working back, list on the appropriate line each institution beyond the high school level from which you have obtained or are obtaining formal training leading to an academic degree.

Designate degrees by abbreviations, for example, AA, BA, MA, MS, Ph.D., LLB, MD, etc. Use a separate line for each degree granted or worked for, or for any change in major field of specialized study. Refer to the list on page 2 for the code number and the description of major fields. Do ***NOT*** *include correspondence courses, on-the-job training, apprenticeship, or training at an employer's training school.*

If you need more space, attach a separate sheet of paper and give the same type of information for each additional school listed.

PART II. EDUCATION AND TRAINING

(11a.) College, university or other post high school institution	(b.) Type of degree worked for, if any (BA, MA, etc.)	(c.) Year degree awarded	(d.) Major field *(ENTER CODE AND DESCRIPTION FROM LIST ON PAGE 2)*
MOST RECENT: 24 *(NAME)* *(CITY)* *(STATE OR FOREIGN COUNTRY)*	28 *(DEGREE)* OR ☐ None	30 *19*____ OR ☐ None	32 *(CODE)* *(DESCRIPTION)*
SECOND TO LAST: 35 *(NAME)* *(CITY)* *(STATE OR FOREIGN COUNTRY)*	39 *(DEGREE)* OR ☐ None	41 *19*____ OR ☐ None	43 *(CODE)* *(DESCRIPTION*
THIRD TO LAST: 46 *(NAME)* *(CITY)* *(STATE OR FOREIGN COUNTRY)*	50 *(DEGREE)* OR ☐ None	52 *19*____ OR ☐ None	54 *(CODE)* *(DESCRIPTION)*
FOURTH TO LAST: 57 *(NAME)* *(CITY)* *(STATE OR FOREIGN COUNTRY)*	61 *(DEGREE)* OR ☐ None	63 *19*____ OR ☐ None	65 *(CODE)* *(DESCRIPTION)*
FIFTH TO LAST: 68 *(NAME)* *(CITY)* *(STATE OR FOREIGN COUNTRY)*	72 *(DEGREE)* OR ☐ None	74 *19*____ OR ☐ None	76 *(CODE)* *(DESCRIPTION)*

PART III. EMPLOYMENT STATUS

2/8

⑫ During the week of May 9, 1982, were you:

1. ☐ Working full-time (35 hours or more at least in one position) *(SKIP TO QUESTION 16)*
2. ☐ Working part-time *(GO TO QUESTION 13)*
3. ☐ Not working, but seeking work *(SKIP TO PART IV ON PAGE 7)*
4. ☐ Not working and not seeking work *(SKIP TO QUESTION 14)*

9

⑬ Were you seeking full-time work?

1. ☐ Yes
2. ☐ No

(SKIP TO QUESTION 16)

10

⑭ Did you look for work at any time during the three weeks prior to the week of May 9, 1982; that is, between April 18 and May 8, 1982?

1. ☐ Yes 2. ☐ No

11

⑮ What was the main reason you were not working or not seeking work during the week of May 9, 1982?

(MARK ONLY ONE BOX)

1. ☐ On layoff from a job
2. ☐ On vacation or otherwise temporarily absent from a job for health or personal reasons

(GO TO QUESTION 16)

3. ☐ Retired
4. ☐ Student
5. ☐ Family responsibilities
6. ☐ Chronic illness or permanent disability
7. ☐ Could not find work or believed no jobs available in my particular field
8. ☐ Did not want to work
9. ☐ New job to begin within 30 days
10. ☐ Waiting for school to begin
11. ☐ Other, *please specify:*

(SKIP TO PART IV ON PAGE 7)

____

____

13

⑯ During the week of May 9, 1982, were you working at (or on layoff or temporarily absent from) a position related to the natural sciences, social sciences, or engineering?

1. ☐ Yes *(SKIP TO PART IV ON PAGE 7)*
2. ☐ No *(GO TO QUESTION 17)*

14

⑰ What was the most important reason for taking that position?

(MARK ONLY ONE BOX)

1. ☐ Preferred nonscience or nonengineering position
2. ☐ Promoted out of science or engineering position
3. ☐ Pay was better in nonscience or nonengineering position
4. ☐ Locational preference
5. ☐ Science or engineering position not available
6. ☐ Other reason, *please specify:*

____

____

____

____

PART IV. EMPLOYMENT PROFILE

☐ *If you have never been employed, nor self-employed, please mark this box and SKIP TO QUESTION 39. Otherwise, CONTINUE with the instructions below.*

In this part of the questionnaire, we are asking questions about the job you held during the week of May 9, 1982, or your most recent job before May 9. Please include any employment, including a military service job, not only a scientific or technical job. If you had more than one regular job during the week of May 9, record the one which you consider your principal employment.

16

⑱ For whom did you work? What is the name of the company, business or the government agency you worked for?

____

Check here if self-employed ☐

19

⑲ Where were you employed, that is, in what city, county and state?

________________ *(CITY OR TOWN)*
________________ *(COUNTY)*
________________ *(STATE OR FOREIGN COUNTRY)*

25

⑳ Which of the categories below best describes the type of organization of your principal employment or post-doctoral appointment? *(MARK ONLY ONE BOX)*

01 ☐ Self-employed
02 ☐ Business or industry
03 ☐ Junior college, 2-year college, technical institute
04 ☐ Medical school
05 ☐ 4-year college or university, other than medical school
06 ☐ Elementary or secondary school system
07 ☐ Hospital or clinic
08 ☐ Nonprofit organization, other than hospital, clinic or educational institution
09 ☐ U.S. military service, active duty, or Commissioned Corps, such as USPHS, NOAA, etc.
10 ☐ U.S. Government, civilian employee
11 ☐ State government
12 ☐ Local or other government *(SPECIFY):* ____________________

13 ☐ International agency
14 ☐ Other *(SPECIFY):* ____________________

27

㉑ If you had more than one job during the week of May 9, 1982, enter the category from the above list that is most appropriate for your second job. *(ENTER THE APPROPRIATE CODE NUMBER, 01-14, FROM Q. 20 ABOVE)*

☐☐ ☐ Did not have a second job the week of May 9, 1982

29

(22.) From the activities listed below, select your primary and secondary work activities for your principal job as reported in question 18, in terms of time devoted for a typical week.
(ENTER THE APPROPRIATE CODE NUMBER 01-16 FOR EACH)

☐ ☐ Primary activity ☐ ☐ Secondary activity

01 Management or administration of research or development
02 Management or administration of other than research and development
03 Teaching and training - preparing and teaching courses, guiding and counseling students or trainees
04 Basic research - that is, study directed toward gaining scientific knowledge primarily for its own sake
05 Applied research - that is, study directed toward gaining scientific knowledge in an effort to meet a recognized need
06 Development - product, process, and technical development. That is, direction of knowledge gained from research toward production of useful materials, devices, systems and methods
07 Report and technical writing, editing, information retrieval
08 Clinical diagnosis
09 Design of equipment, processes, models
10 Quality control, testing, evaluation, or inspection
11 Operations - production, maintenance, construction, installation
12 Distribution - sales, traffic, purchasing, customer and public relations
13 Statistical work - survey work, forecasting, statistical analysis
14 Consulting
15 Computer applications
16 Other activities *(SPECIFY)*: ______________________________

____

33

(23.) During a typical week in your principal job reported in question 18, what percent of working time do you devote to each of the following activities?
(ENTRIES SHOULD TOTAL 100%)

_______% Management & administration

_______% Basic research

_______% Applied research

_______% Development

_______% Teaching

_______% Operations, production

_______% Other

100.0 % TOTAL

34

(24.) From the Degree and Employment Specialty List on page 2, select and enter the number and title of the specialty most closely related to your principal employment (reported in question 18) during the week of May 9, 1982.
(PLEASE WRITE IN YOUR SPECIALTY IF IT IS NOT ON THE LIST)

Number: ☐ ☐ ☐

Title : ______________________________

____

57

㉕ For your principal job reported in question 18, what is the basic annual salary you currently earn?
(Do not include bonuses, overtime, summer teaching or other payments for secondary jobs)

$________.00 per year

☐ Not currently employed at that job.

62

㉖ If academically employed in your principal job, is your salary for:

☐ 9-10 months, OR ☐ 11-12 months?

63

㉗ What was your total professional income in 1981 including basic annual salary, bonuses, overtime, summer teaching, consulting fees, etc.?

$________.00 per year

☐ None

68

㉘ What was your basic annual salary in 1981 from the principal job you held longest, excluding bonuses, overtime, summer teaching, consulting fees, etc.?

$________.00 per year

☐ None

73

㉙ During the week of May 9, 1982, was any of your work at your principal job supported by U.S. Government funds?

1. ☐ Yes → *(GO TO QUESTION 30)*
2. ☐ No
3. ☐ Don't know

2.–3. → *(SKIP TO Q. 31)*

3/8

㉚ Which of the following agencies or departments were supporting your work?
(MARK AS MANY AS APPLY)

1. ☐ AID--Agency for International Development
2. ☐ Department of Agriculture
3. ☐ Department of Commerce
4. ☐ Department of Defense
5. ☐ Department of Energy
6. ☐ Department of Education (NIE, OE, NCES)
7. ☐ Department of Health and Human Services (DHHS old HEW)
8. ☐ Department of Housing and Urban Development (HUD)
9. ☐ Department of the Interior
10. ☐ Department of Justice
11. ☐ Department of Labor (DOL)
12. ☐ Department of Transportation
13. ☐ EPA--Environmental Protection Agency
14. ☐ NASA--National Aeronautics and Space Administration
15. ☐ NSF--National Science Foundation
16. ☐ Nuclear Regulatory Commission
17. ☐ Other, *specify:* ________________
18. ☐ Don't know source agency

26

㉛ The following list contains selected areas of national interest. Indicate the one area to which you devote(d) the most professional time during a typical week at the job reported in question 18.

1. ☐ Energy and fuel *(GO TO Q. 32)*
2. ☐ Health
3. ☐ Environment
   Education
   4. ☐ Teaching
   5. ☐ Other education
6. ☐ National defense
7. ☐ Crime prevention and control
8. ☐ Food production and technology
9. ☐ Other mineral resources
10. ☐ Community development and service
11. ☐ Housing (planning, design, construction)
12. ☐ None of the above

2.–12. *(SKIP TO QUESTION 36)*

28

(32.) What is your best estimate of the percent of your professional time that you devote(d) to energy and fuel during a typical week?

1. ☐ 100 percent
2. ☐ 75 to 99 percent
3. ☐ 50 to 74 percent
4. ☐ 25 to 49 percent
5. ☐ 24 percent or less

29

(33.) From the list below, indicate the one energy source that involves(d) the largest proportion of your energy-related work during a typical week.

1. ☐ Coal and coal products
2. ☐ Petroleum (including oil shale and tar sands) or natural gas
3. ☐ Fission
4. ☐ Fusion
5. ☐ Hydroenergy
6. ☐ Direct solar (including space and water heating, thermal, electric)
7. ☐ Indirect solar (winds, tides, biomass, etc.)
8. ☐ Geothermal
9. ☐ Other, *specify:*

____

31

(34.) From the list of energy-related activities below indicate the item(s) that best describe the activity(ies) in which you were engaged during a typical week.
(MARK AS MANY AS APPLY)

1. ☐ Exploration
2. ☐ Extraction (gas, oil, mining)
3. ☐ Manufacture of energy-related components or products
4. ☐ Fuel processing (including refining and enriching)
5. ☐ Electric power generation
6. ☐ Transportation, transmission, distribution of fuel or energy
7. ☐ Energy storage
8. ☐ Energy utilization, management
9. ☐ Fuel reprocessing or disposal
10. ☐ Energy conservation
11. ☐ Environmental impact (health, economic, etc.)
12. ☐ Education, training
13. ☐ Other, *specify:*

____

44

(35.) From the list in question 34, enter the number of the activity that best describes the one in which you spend(t) most of your energy-related time.
(ENTER THE APPROPRIATE CODE NUMBER 01-13, FROM Q. 34)

☐ ☐

PART V. OTHER INFORMATION

46

(36.) During calendar year 1981, how many weeks:

a) did you work, including paid vacation, paid sick leave, and military service? ______

b) were you without a job, but looking for work; or on layoff from a job? ______

c) were you not working, not seeking work, and not on layoff from a job? ______

TOTAL = 52 weeks

52

(37.) How many years of professional work experience, including teaching, do you have?

______ Year(s) or ☐ None

54

(38.) Since age 22, have you had any periods of at least one year's duration when you were neither employed, nor looking for work, nor attending school full-time?
(DO NOT INCLUDE TIME IN ARMED FORCES)

1. ☐ Yes, a total of ______ year(s).
2. ☐ No

56

(39.) Using the list on page 2, complete the following statement:

"Based on my total education and experience, I regard myself professionally as a (an)........

______________________________"

CODE: ☐ ☐ ☐

59

(40.) Are you currently a member of a national professional society or association?

1. ☐ Yes ↘ 2. ☐ No

Specify organization(s): ______________________________

____

____

____

69

(41.) Are you currently professionally licensed, certified, or registered? For example, do you have a teaching certificate, a medical license or a professional society certification, etc.?

1. ☐ Yes ↘ 2. ☐ No

Specify title(s): ______________________________

____

____

(42.) So that we can contact you in the event it is necessary to clarify some of the information you provide, please give the telephone number on which you can be reached.

_______ *(AREA CODE)* _______________ *(NUMBER)*

If there is an alternate number on which you can be reached, enter it also.

_______ *(AREA CODE)* _______________ *(NUMBER)*

4/8

(43.) Date completed:

_______ *(MONTH)* _______ *(DAY)* _______ *(YEAR)*

THANK YOU FOR COMPLETING THIS QUESTIONNAIRE. PLEASE RETURN THE COMPLETED FORM IN THE ENCLOSED POSTAGE-PAID ENVELOPE TO:

INSTITUTE FOR SURVEY RESEARCH
TEMPLE UNIVERSITY - 083-046
1601 N. BROAD STREET
PHILADELPHIA, PA 19122

other science resources publications

Science Resources Studies Highlights

R&D Funds

	NSF No.	Price
"Despite Recession, Companies' Own R&D Funding Rose 13% During 1982"	84-314	-----
"Non-Federal Funding for Academic R&D Activities Increased at Faster Pace Than Federal Funding in Fiscal Year 1982"	84-307	-----
"Federal Academic Obligations Increased by 13% in 1982, 5% in Real Dollars"	84-305	-----
"Real Growth in Federal R&D Funds Estimated at 12% in 1984—Largest Increase Since Midsixties"	84-302	-----
"Dollar Value of U.S. R&D Expenditures Overseas Declined in 1982"	83-329	-----
"Companies Plan Increases in R&D Spending Through 1984"	83-327	-----
"Defense, General Science, and Transportation Functions Lead 1984 Federal R&D Growth"	83-323	-----
"Defense and Economy Major Factors in 7% Real Growth in National R&D Expenditures in 1984"	83-326	-----

S/E Personnel

	NSF No.	Price
"Graduate Science/Engineering Enrollment Grew by 2% Between Fall 1981 and 1982, With Computer Sciences, Up 20%, Leading Growth"	84-313	-----
"One-fourth of Academic Research Equipment Classified Obsolete"	84-312	-----
"Industry Reports Shortages of Scientists and Engineers Down Substantially From 1982 to 1983"	84-303	----
"1982 Doctorate Production Stable in Science and Engineering Fields, But Down in Science and Mathematics Education"	83-330	-----
"No Change in Science and Engineering Student Quality Seen by 60% of Academic Officals: At Least 25% Perceive Improvement"	83-322	-----
"Technical Employment Growth Accelerates in Selected Nonmanufacturing Industries"	83-321	----
"Academic Employment of Scientists and Engineers Continued to Grow in 1982, but Slower than in Other Economic Sectors"	83-317	-----
"Growth in Neuroscience May be Leveling Off"	83-324	-----
"Projected Employment Scenarios Show Possible Shortages in Some Engineering and Computer Specialties"	83-307	-----
"Manufacturing Employment Becoming Increasingly More Technological"	83-303	-----
"Growth in Science and Engineering Employment Accelerated in 1980 to 1981—But Demand May Have Slackened in 1982"	83-300	-----

Detailed Statistical Tables

R&D Funds

	NSF No.	Price
Academic Science/Engineering: R&D Funds, Fiscal Year 1982	84-308	-----
Research and Development in Industry, 1981. Funds, 1981; Scientists and Engineers, January 1982	83-325	-----
Federal Funds for Research and Development, Fiscal Years 1982, 1983, and 1984, Volume XXXII	83-319	-----

S/E Personnel

	NSF No.	Price
Academic Science/Engineering: Scientists and Engineers, January 1983	84-309	-----
Academic Science/Engineering: Graduate Enrollment and Support, Fall 1982	84-306	-----
Science and Engineering Doctorates: 1960-83	83-328	-----
Scientists, Engineers, and Technicians in Manufacturing and Nonmanufacturing Industries: 1980-81	83-324	----

Reports

R&D Funds

	NSF No.	Price
Federal Support to Universities, Colleges, and Selected Nonprofit Institutions, Fiscal Year 1982	84-315	In press
Federal Funds for Research and Development, Fiscal Years 1981, 1982, and 1983, Volume XXXI	83-320	$2.50
Trends to 1982 in Industrial Basic Research	83-302	$3.50
Federal R&D Funding for Energy: Fiscal Years 1971-83	83-301	-----
1990 R&D Funding Projections	82-315	$3.50

S/E Personnel

	NSF No.	Price
Projected Response of the Science, Engineering, and Technical Labor Market to Defense and Nondefense Needs: 1982-84	84-304	In press
Science and Engineering Degrees: 1950-80. A Source Book	82-307	$5.00

Composite

	NSF No.	Price
Science and Technology Data Book	83-318	-----